

Climatological Data for April, 1910.
DISTRICT No. 3, OHIO VALLEY.

FERDINAND J. WALZ, District Editor.

GENERAL SUMMARY.

The weather current during the month of April, 1910, was anomalous to a remarkable degree. During the first half of the month, with the exception of a few days, the temperature was considerably above normal, while during the whole of the latter half, with the exception of the last 2 days, there was experienced the coldest and altogether the most wintry weather that has occurred so late in the season in the Weather Bureau history of large portions of this district. The unusually warm weather that prevailed through March and continued until the middle of April had advanced the season 2 to 3 weeks ahead of the conditions usually reached by the middle of April. That is, farming operations, crops, fruit, tree foliage, garden truck, and vegetation in general were in about the condition usual the first part of May. Suddenly the weather changed and there persisted for 10 or 11 days weather so severe in character as to be comparable with the normal for the first 10 days of March. In effect, May was turned back to March. During the period 17th to 28th freezing temperatures, heavy frosts, and considerable snow occurred in all parts of the district, extending even to the southern limits and beyond.

The freezing temperature did immense damage to fruits and vegetation of all kinds, and the stormy weather greatly interfered with farming operations. Reports of the extent and estimates of the amount of damage done vary widely, and while in some localities the injury suffered was much greater than in others, yet the damage was widespread and the fruit crop and garden truck was materially cut down in nearly all parts of the district. Extracts from reports of section directors giving summaries of the damage done in the several States are as follows:

North Carolina.—Practically all unprotected vegetables were killed or seriously injured. It is estimated that the fruit crop, principally apples, which had been very promising, was damaged about 50 per cent.—*Lee A. Denson, Section Director.*

Alabama.—Temperatures as low as 26° occurred on the 25th. The very cold weather of the 24th to 26th did some damage to crops, and in some cases necessitated replanting.—*Patrick Smyth, Section Director.*

Tennessee.—The frost and cold weather the latter part of the month were very damaging to the fruit crop, gardens, and early planted corn, but the injury was confined mostly to limited areas and was not generally disastrous.—*Roscoe Nunn, Section Director.*

Kentucky.—Considerable damage was done to the fruit crop, tobacco plants, wheat, oats, and all garden truck by the wintry weather the latter part of the month, although not so extensive and serious as first reported. Local cloudiness and wind helped materially to mitigate the effects of the severe cold in some localities during the most critical period of the cold spell.—*Ferdinand J. Walz, Section Director.*

Illinois.—The freeze of the 23d and 24th, attended by a snowstorm, resulted in the greatest disaster to fruit, gardens, and shade trees in the history of the service in this State. The injury was augmented by reason of the unduly advanced stage of vegetation.—*William G. Burns, Section Director.*

Indiana.—The cold spell caused extensive damage to early fruits and vegetables, but the loss is probably not as great as at first estimated. The best information obtainable seems to indicate that the damage to hardy fruits was quite small, and that the cereal crops were not injured at all.—*Verne H. Church, Section Director.*

Ohio.—The damage to fruit and vegetables by the freezing weather is a matter that State authorities still differ widely over, but it seems reasonable to suppose that the fruit crop prospects have been cut down considerably.—*Monroe W. Hayes, Section Director.*

In West Virginia and western Pennsylvania there was no serious damage from the frosts and cold weather, as vegetation was not so far advanced as in other parts of the Ohio Valley.

TEMPERATURE.

The average temperature for the month was about normal over most of the district. It was from 2° to 4° above normal in the northeastern portion and from 1° to 2° below normal in the

southwestern portion. The range and distribution of temperature during the month, however, were decidedly abnormal. The unusually warm weather that prevailed during the whole of March continued during the first 5 days of the month, when the average daily temperatures were from 8° to 20° above normal in practically all parts of the district, and maximum temperatures ranged from 70° to 85°.

An area of high pressure, attended by a decided cool wave, overspread the central valleys during the 7th and 8th, and carried the frost line well into the Ohio Valley, with freezing temperatures over the northeastern portion, and minimum temperatures between 32° and 40° in the other portions. Following this short cool period the weather was again unseasonably warm until about the 16th, although the excess in daily temperature was not so large, as a rule, as during the first part of the month. From the 17th to 28th, inclusive, unusually cold weather prevailed. During this period, especially about the 23d to 25th, the average daily temperatures ranged from 10° to 27° below normal and minimum temperatures of from 21° to 32° were registered generally in the district. In Tennessee the temperature registered as low as 24°; in Kentucky, 23°; in Indiana, Illinois, and Ohio, 21°; in North Carolina, 22°; in Georgia, 29°. In Ohio and the more easterly portions of the district the lowest temperatures for the month were recorded during the cool wave at the end of the first decade. The cold weather ended abruptly on the 28th and the last 2 days of the month were unusually warm, day temperatures again registering between 75° and 90°.

PRECIPITATION.

The droughty conditions which largely prevailed at the beginning of the month, on account of the extremely small amount of precipitation during the whole month of March, were considerably ameliorated by showers attending a general storm, which moved over the central valleys in the period from the 2d to the 7th. Fair amounts of rainfall were received in this period in nearly all parts of the district. Generous rains accompanied another general disturbance which passed over the central valleys the 12th and 13th. This rain, however, did not reach the northeastern part of the district. From the 15th to the 27th generally stormy weather obtained and precipitation either in the form of rain or snow, occurred somewhere in the district practically every day, being quite heavy on the 15th and 16th over portions of the Cumberland and Tennessee watersheds. Amounts ranging from 2.50 to 6.94 inches in 24 hours occurred in southwestern Tennessee, northwestern Alabama, and western North Carolina. The section director at Nashville, Tenn., reports as follows:

A notable feature of the month was the heavy rainfall of the 14–16th, attended by severe local storms, which occurred over the central and southwestern counties. Thirteen stations, mostly on the lower Tennessee River watershed, recorded excessive rainfall. The heaviest 24-hour amount ever recorded in the State in April (records for the last 27 years) occurred on the 15th at Waynesboro, where 6.94 inches fell.

Considerable snow occurred in nearly all parts of the district on the 24th and 25th. Amounts ranging from 2 to 4.5 inches occurred as far south as Georgia and east to the Appalachian Mountains, and 5 to 7 inches occurred in the western portion of Kentucky and parts of Tennessee. Light snow occurred in many places in the period 18th to 23d.

Hail occurred in many portions of the district on the 4th, 5th, 18th, and 19th.

Thunderstorms were frequent in the period 3d to 5th and from the 11th to the 16th. Severe wind squalls attended some of these thunderstorms, doing more or less damage locally.

The precipitation for the month was greatest and generally above normal in the southwestern part of the district, over an area embracing western Kentucky, western Tennessee, and the extreme northern portion of Alabama. Over this area the amount was generally from 4 to 6 inches, while at a few places in southwestern Tennessee it was from 7 to 9 inches. In the extreme southern portion of West Virginia there was a small area over which 6 to 9 inches occurred. Over the extreme western portion of Pennsylvania, considerable of Ohio, in north-central Indiana, and the upper Wabash basin of Indiana and Illinois the amounts were less than 3 inches. Over the remainder of the district the amounts ranged between 3 and 5 inches.

MISCELLANEOUS.

A local storm with decided tornadic characteristics swept over the eastern portion of Youngstown, Ohio, about 2:30 p. m., April 4. Many buildings were unroofed, several houses destroyed, and 12 persons seriously injured by the storm. The damage to property is estimated at between \$50,000 and \$100,000.

In the afternoon of April 5 a severe thunderstorm passed over Central City, Ky., wrecking several houses and otherwise doing considerable damage. This storm also had tornadic characteristics.

During the 15th and 16th severe thunderstorms, attended by destructive wind squalls and lightning, were quite general over the western portions of Kentucky and Tennessee. These storms were accompanied in several localities by unusually heavy hail, being very destructive to crops and window glass. The heavy downpours of rain, which also attended these storms, caused floods in the small rivers and local streams, resulting in many washouts. Railroads, highways, and crops suffered extensive damage.

April 15, during a heavy thunderstorm, 2 barns were struck and destroyed by lightning, 1 child was killed, and 2 adults badly stunned in Jackson County, Ala. April 16, during a heavy electric storm, 3 valuable thoroughbred horses were killed at Churchill Downs, near Louisville, Ky. April 23 a severe wind and rain storm did considerable damage at Gallatin, Tenn.

Forest fires raged during the early part of the month—until extinguished by rains—in eastern and south-central Kentucky and portions of western Pennsylvania. In Blount and Sevier counties, Tenn., 30,000 acres of timber land were burnt over and every vestige of living vegetation destroyed, entailing a loss of \$100,000 and 2 lives.

During the latter part of March and the first week of April the bank of the Mississippi River between Wickliff and Fort Jefferson Landing, Ky., caved in to such an extent that the river now runs at the foot of a hill that formerly was half a mile from the east bank of the river.

(Continued from March Review.)

THE WORK OF THE WATER RESOURCES BRANCH OF THE UNITED STATES GEOLOGICAL SURVEY IN THE OHIO RIVER VALLEY.

By A. H. HORTON, Engineer, U. S. Geological Survey.

In June, 1908, the Water Resources Branch of the United States Geological Survey established an office at Newport, Ky. Newport is directly across the river from Cincinnati, Ohio. The office is located on the second floor of the Newport post-office.

This office was established for the purpose of studying the flow of the Ohio River and its tributaries, especial attention being given to the main tributaries and, as far as funds would allow, to study the flow of the main Ohio. It is the intention to make intense studies covering a period of 5 to 10 years of all the important tributaries, with the idea that when these studies are concluded the entire drainage basin of the Ohio River will be covered and there will be no stream of any

importance but that there will be data available with reference to its flow, or information at hand whereby its flow can be determined with sufficient accuracy for all practical purposes in case no data have been obtained on that particular stream. At the end of the period of 5 to 10 years it is expected that enough data will have been obtained so that a majority of the gaging stations can be discontinued and other sections of the country will be covered in the same way. Ultimately the whole United States, or at least that part outside the arid or semiarid region will be thoroughly covered with run-off data.

From a comparison of a few long-time records of run-off of eastern streams, which are available, it has been found that the mean annual run-off for a single year may vary as much as 50 per cent from a 20 to 30 year mean; that the mean of a 5-year period may vary by 20 per cent; and that the mean of a 10-year period varies less than 10 per cent from the 20 or 30 year mean; that also during a 10-year period there occurs a year of average high and low water. While this low and high water may not be the extreme, it gives, nevertheless, the mean conditions which may be expected, with the exception of the abnormal year which generally occurs once or twice in a generation and is a matter of record or tradition in the locality in which it occurs. It is believed, therefore, that a record of the run-off of any eastern stream, extending over 10 years, will give a fair idea of the flow that may be expected at any time.

With this idea in view some 25 stations were established in the drainage basin of the New and Kanawha rivers in 1908, and are being maintained at present. It is expected that before the end of the 10-year period it will be found that many of these stations can be discontinued, for it is thought that studies of the data will show that it will be possible, by maintaining a few stations on the main river and on the more important tributaries, to obtain the run-off of any stream with sufficient accuracy from that actually measured at a few selected stations in the same drainage basin.

At the present time gage heights extending over a period of a year and a half have been obtained at these stations and a number of measurements have been made at medium and low water stages; measurements of high water will be obtained this coming spring. As soon as time and funds allow other tributaries will be taken up and studied in a similar manner until the entire basin of the Ohio is covered. Besides the work on the Kanawha River, stations are maintained on the tributaries that form the Monongahela and stations are maintained in cooperation with the United States Weather Bureau on the Muskingum, Great Miami, Wabash, and East Branch of White rivers.

Measurements of the Ohio have been made at Wheeling, Marietta, Cincinnati, Evansville, and Louisville, enough measurements having been made at Wheeling, Marietta, and Cincinnati to construct discharge curves for the Ohio at these points; at the other places only 1 or 2 measurements were made.

Measurements of the Ohio at Cincinnati were made at gage heights of about 3 feet and 54 feet; the record low water and high water stages are about 2 feet and 71 feet, respectively. The minimum flow is about 5,000 cubic feet per second; the maximum is, approximately, 700,000 cubic feet per second.

The State of Illinois, in cooperation with the United States Geological Survey, has had established and is maintaining about 20 gaging stations in that State. The State pays for all the field work and part of the computations, the work being done under the supervision of the Newport office. The work has been carried on for about 2 years and much valuable information has been collected which will be of use in land reclaiming, flood protection, and storage.

The United States Weather Bureau, in connection with extensive studies of evaporation being made at the Salton Sea in southern California, has established, with the cooperation of the United States Geological Survey, evaporation stations at various places in the United States. One of these stations is located

TABLE 1.—Climatological data for April, 1910. District No. 3, Ohio Valley.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | | | Sky. | Prevailing wind direction. | Observers. | |
|-----------------------|--------------|------------------|------------------------|-------------------------------------|----------------------------|-----------------|---------------|-----------------------|--------|----------------------------|-----------------------|-------------------------|---|-------------------------------|-----------------------|-----------------|----------------------------|------------|----|
| | | | | Mean. | Departure from the normal. | Highest. Date. | Lowest. Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmeted. | Number of rainy days, 0.1 inch or more. | Number of partly cloudy days. | Number of clear days. | | | | |
| <i>New York.</i> | | | | | | | | | | | | | | | | | | | |
| Allegany | Cattaraugus | 1,441 | 4 | 49.1 | | 82 | 5 | 17 | 13 | 56 | 4.75 | | 1.05 | 1.9 | 13 | 9 | 8 | nw. | |
| Bolivar | Allegany | 1,800 | 16 | 49.2 | + 8.2 | 81 | 5 | 16 | 13 | 53 | 5.47 | + 2.87 | 1.07 | 1.0 | 13 | 7 | 7 | sw. | |
| Franklinville | Cattaraugus | 1,598 | 13 | 47.9 | + 5.5 | 81 | 5 | 18 | 13 | 51 | 5.07 | + 1.88 | 0.76 | 1.0 | 13 | 11 | 4 | nw. | |
| Olean | do | 2 | | | | | | | | | 4.97 | | 1.10 | | 14 | | | w. | |
| <i>Pennsylvania.</i> | | | | | | | | | | | | | | | | | | | |
| Allegheny | Greene | 1,135 | 9 | 52.0 | | 84 | 5 | 23 | 8 | 53 | 3.10 | | 0.45 | 1.0 | 13 | 9 | 7 | sw. | |
| Baldwin | Butler | 1,404 | 4 | 51.0* | | 81 ^b | 5 | 27 ^b | 8 | 43 ^b | 3.63 | | 1.20 | 5.9 | 12 | 11 ^b | 3 ^b | w. | |
| Claytonville | Washington | 1,127 | 6 | 53.4 | | 88 | 5 | 23 | 8 | 55 | 2.65 | | 0.50 | 1.0 | 13 | 12 | 3 | sw. | |
| Franklin | Venango | 955 | 36 | 48.8 | + 2.7 | 81 | 5 | 27 | 13 | 40 | 3.30 | + 0.68 | 1.20 | 1.0 | 17 | 12 | 9 | w. | |
| Greenville | Mercer | 950 | 14 | 49.6 | + 3.8 | 82 | 5 | 23 | 13 | 49 | 3.92 | + 0.95 | 1.31 | 4.0 | 16 | 12 | 3 | s. | |
| Indiana | Indiana | 1,350 | 13 | 52.3 | + 3.0 | 84 | 8 | 43 ^a | 3.47 | - 0.78 | 0.90 | T. | 13 | 12 | 7 | 11 | sw. | | |
| Johnstown | Cambria | 1,184 | 22 | | | | | | | | 4.28 | + 0.47 | 1.02 | | 18 | | | | |
| Lycoming | Westmoreland | 1,420 | 18 | 53.1 | + 4.0 | 85 | 5 | 27 | 8 | 40 | 3.89 | + 0.30 | 1.13 | 1.4 | 13 | | | | |
| Pittsburg | Allegheny | 842 | 40 | 52.8 | + 1.8 | 83 | 5 | 29 | 8 | 37 | 2.21 | - 0.69 | 0.68 | T. | 13 | 7 | 9 | nw. | |
| Sasscerstown | Crawford | 1,116 | 18 | | | | | | | | | | | | | | | | |
| St. Marys | Elk | 1,740 | 12 | 45.0 | + 4.0 | 70 | 2† | 22 | 13 | 47 | 3.36 | + 0.04 | 0.55 | 3.0 | 13 | 9 | 12 | 9 | |
| Skidmore | Lawrence | 1,000 | 6 | 50.3 | | 83 | 5 | 24 | 8† | 49 | 3.50 | | 1.40 | | 7 | 16 | 2 | sw. | |
| Somerset | Somerset | 2,250 | 54 | 49.3 | + 3.2 | 84 | 5 | 25 | 8 | 44 | 3.89 | + 0.42 | 1.13 | 3.2 | 17 | 3 | 13 | nw. | |
| Uniontown | Fayette | 999 | 22 | 52.4 | + 1.8 | 86 | 5 | 30 | 13 | 46 | 2.73 | - 0.95 | 0.50 | T. | 15 | | | | |
| Warren | Warren | 1,137 | 21 | 48.8 | + 4.8 | 80 | 5 | 21 | 13 | 46 | 3.84 | + 0.70 | 0.66 | 2.6 | 16 | 15 | 0 | nw. | |
| <i>Maryland.</i> | | | | | | | | | | | | | | | | | | | |
| Deer Park | Garrett | | 16 | 49.0 ^b | + 4.2 | 89 ^b | 5 | 20 ^b | 14 | 65 ^b | 3.22 ^b | - 0.39 | 0.50 ^b | 2.0 ^b | 13 ^b | | | | |
| Grantaville | do | | 16 | 49.2 ^a | + 3.6 | 80 ^a | 5 | 28 ^a | 8† | 43 ^a | 3.94 | + 0.54 | 1.20 | 2.0 | 12 | 6 | 9 | w. | |
| Oakland | do | | 10 | 48.6 | | 82 | 5 | 20 | 14 | 56 | 3.11 | | 0.42 | 2.6 | 17 | 8 | 13 | 9 | |
| <i>West Virginia.</i> | | | | | | | | | | | | | | | | | | | |
| Arbovale | Pocahontas | | 2 | | | | | | | | | | | | | | | | |
| Bancroft | Putnam | | 6 | 54.4 | | 87 | 30 | 31 | 8 | 46 | 3.49 | | 0.59 | T. | 18 | 10 | 3 | sw. | |
| Beckley | Raleigh | 2,440 | 11 | 51.8 | + 3.5 | 85 | 30 | 20 | 10 | 50 | 9.07 | + 0.14 | 1.37 | 0.0 | 13 | 14 | 2 | w. | |
| Ben's Run | Pleasants | 622 | 9 | 54.0 | | 85 | 5† | 29 | 8 | 48 | 2.57 | | 0.35 | 0.5 | 14 | 16 | 9 | 5 | |
| Bluefield | Mercer | 2,563 | 15 | 55.3 | 0.0 | 80 | 30 | 30 | 19† | 43 | 4.04 | + 0.69 | 0.69 | 0.0 | 14 | 14 | 6 | 10 | |
| Buckhannon | Upshur | 1,472 | 20 | 52.5 | + 1.8 | 85 | 5 | 25 | 8 | 49 | 2.10 | - 2.18 | 0.30 | T. | 14 | 11 | 4 | 15 | |
| Cairo | Ritchie | 667 | 8 | 54.8 | | 86 | 6 | 24 | 8 | 49 | 3.05 | | 0.63 | 0.0 | 15 | 3 | 11 | w. | |
| Central Station | Doddridge | 900 | 11 | 50.6 | + 0.1 | 87 | 5 | 18 | 8 | 57 | 2.67 | - 0.93 | 0.39 | 1.0 | 17 | 6 | 8 | e. | |
| Charleston | Kanawha | 598 | 24 | 58.0 | | 87 | 30 | 33 | 8† | 39 | 3.37 | | 0.20 | 0.55 | T. | 10 | 13 | 9 | w. |
| Creston | Wirt | 612 | 10 | 54.8 | | 88 | 30 | 27 | 8 | 51 | 2.68 | - 1.41 | 0.38 | T. | 17 | 5 | 5 | 20 | |
| Cuba | Jackson | 544 | 9 | 54.0 | | 86 | 30 | 24 | 8 | 51 | 2.95 | - 0.05 | 0.72 | T. | 17 | 5 | 18 | w. | |
| Doane | Wayne | 5 | | | | | | | | | | | | | | | | | |
| Elkhorn | McDowell | 1,933 | 18 | 54.5 | + 1.6 | 83 | 30 | 30 | 19 | 43 | 5.70 | + 2.21 | 1.64 | 0.0 | 13 | 12 | 9 | w. | |
| Elkins | Randolph | 1,940 | 11 | 50.5 | + 1.8 | 84 | 5 | 29 | 10 | 42 | 2.24 | - 1.05 | 0.37 | T. | 16 | 9 | 8 | sw. | |
| Fairmont | Marion | 879 | 18 | | | | | | | | 2.17 | - 1.34 | 0.46 | 0.0 | 16 | | | | |
| Glenville | Gilmer | 738 | 23 | 54.7 | + 2.3 | 89 | 30 | 27 | 7 | 53 | 3.02 | - 0.70 | 0.50 | 0.0 | 11 | 7 | 8 | sw. | |
| Grafton | Taylor | 985 | 18 | 53.8 | + 2.9 | 89 | 5 | 27 | 8† | 43 | 2.94 | - 0.89 | 0.82 | 0.0 | 16 | 12 | 10 | 8 | |
| Green Sulphur Springs | Summers | 1,600 | 14 | 50.0 | | 87 | 30 | 29 | 8† | 43 | 7.23 | + 4.47 | 2.23 | T. | 18 | 15 | 4 | 11 | |
| Hinton | do | 1,400 | 21 | | | | | | | | 4.06 | + 0.81 | 1.22 | T. | 18 | | | sw. | |
| Huntingdon | Cabell | 510 | 15 | 54.4 | + 1.2 | 88 | 30 | 30 | 8 | 47 | 4.30 | + 0.66 | 1.26 | 0.0 | 13 | 13 | 3 | w. | |
| Lewisburg | Greenbrier | 2,200 | 10 | 53.2 | + 2.7 | 80 | 5 | 29 | 22 | 42 | 3.71 | + 0.47 | 0.86 | T. | 13 | 9 | 8 | 13 | |
| Logan | Logan | 865 | 8 | 59.8 | | 90 | 30 | 32 | 8 | 48 | 4.10 | | 0.80 | T. | 15 | 4 | 22 | e. | |
| Lost Creek | Harrison | 1,033 | 14 | 52.7 | + 3.5 | 87 | 5 | 21 | 8 | 58 | 1.66 | - 1.81 | 0.41 | 0.5 | 13 | 9 | 5 | 16 | |
| Madison | Boone | 704 | 5 | | | | | | | | | | | | | | | | |
| Mannington | Marion | 967 | 7 | 53.2 | | 86 | 5† | 23 | 8 | 58 | 2.32 | | 0.35 | 0.5 | 17 | 9 | 7 | sw. | |
| Marlinton | Pocahontas | 2,169 | 11 | 48.6 | + 1.2 | 76 | 30 | 27 | 8 | 57 | 3.20 | - 0.46 | 0.51 | 0.0 | 9 | 15 | 10 | sw. | |
| Morgantown | Monongalia | 1,250 | 36 | 53.9 ^a | + 3.1 | 84 ^a | 5† | 30 ^a | 8 | 45 ^a | 2.06 ^a | - 1.31 | 0.32 ^a | T. ^a | 13 ^a | 11 ^a | 10 ^a | s.a. | |
| Moundsville | Marshall | 640 | 8 | 54.2 | | 87 | 5 | 25 | 8 | 51 | 2.45 | | 0.33 | 0.0 | 15 | 14 | 5 | sw. | |
| New Cumberland | Hancock | 987 | 10 | 51.3 | + 2.2 | 84 | 5† | 26 | 8 | 50 | 2.75 | - 0.76 | 0.70 | T. | 9 | 10 | 3 | 17 | |
| New Martinsville | Wetzel | 634 | 17 | 54.8 | + 2.1 | 87 | 5 | 27 | 8 | 51 | 3.11 | - 0.46 | 0.46 | T. | 13 | 16 | 4 | 10 | |
| Nuttallburg | Fayette | 2,252 | 18 | 50.5 | | 84 | 30 | 28 | 8† | 40 | 1.63 | - 1.70 | 0.42 | T. | 14 | 9 | 13 | 8 | |
| Parkersburg | Wood | 638 | 22 | 54.0 | + 1.1 | 85 | 30 | 30 | 8 | 45 | 1.87 | - 1.04 | 0.70 | T. | 19 | 8 | 5 | 17 | |
| Parsons | Tucker | 1,662 | 11 | 51.0 | + 3.3 | 85 | 5 | 25 | 10† | 53 | 2.34 | - 1.71 | 0.50 | T. | 17 | 8 | 13 | w. | |
| Philipps | Barbour | 1,192 | 18 | 53.2 | + 3.1 | 85 | 5 | 25 | 8 | 52 | 2.94 | - 1.09 | 0.50 | T. | 17 | 8 | 9 | sw. | |
| Pickens | Randolph | 2,785 | 20 | 50.8 | + 2.9 | 85 | 30 | 25 | 8 | 47 | 4.65 | - 0.09 | 0.09 | T. | 13 | 10 | 8 | 12 | |
| Pineville | Wyoming | 553 | 21 | 55.4 | + 0.6 | 88 | 30 | 29 | 8 | 49 | 3.02 | - 0.13 | 0.84 | T. | 15 | 10 | 6 | 14 | |
| Point Pleasant | Mason | | | | | | | | | | | | | | | | | sc. | |
| Powelton | Fayette | 904 | 14 | | | | | | | | | | | | | | | | |
| Princeton | do | 2,469 | 10 | 49.6 | | 77 | 30 | 29 | 25 | 39 | 6.25 | + 0.50 | 1.44 | 1.0 | 13 | 7 | 19 | 4 | |
| Robertsburg | Putnam | 1 | 53.7 | | | 85 | 30 | 27 | 8 | 48 | 3.81 | | 0.72 | T. | 14 | 9 | 3 | 18 | |
| Ryan | Roane | 639 | 7 | 53.2 | | 87 | 30 | 23 | 8 | 52 | 3.14 | | 0.67 | 2.0 | 15 | 9 | 6 | 15 | |
| Smithfield | Braxton | 640 | 5 | 51.0 | | 84 | 30 | 25 | 8 | 46 | 3.84 | | 1.38 | 0.0 | 14 | 12 | 4 | 14 | |
| Spencer | Braxton | 710 | 7 | 51.7 | | 90 | 30 | 20 | 8† | 60 | 3.60 | + 0.24 | 0.55 | T. | 13 | 3 | 20 | 7 | |
| Terra Alta | Preston | 3,207 | 10 | 52.8 | + 5.4 | 82 | 9 | 27 | 8 | 48 | 3.68 | + 1.15 | 1.75 | 3.9 | 11 | 10 | 8 | 12 | |
| Union | Monroe | 7 | 50.8 | | | 80 | 5† | 26 | 22 | 46 | 3.54 | | 0.85 | 0.0 | 12 | | | | |
| Valley Fork | Clay | | | | | | | | | | | | | | | | | | |
| Webster Springs | Webster | 1,600 | 7 | 53.8 ^a | | 87 | 30 | 23 | 8 | 57 | 2.98 | | 0.50 ^a | T. | 14 | 9 | 13 | 8 | |
| Wellsbury | Brooke | 1,225 | 10 | 51.7 | + 3.9 | 81 | 5 | 28 | 8 | 57 | 2.45 | + 1.66 | | | | | | | |

TABLE 1.—Climatological data for April, 1910. District No. 3—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | Precipitation, in inches. | | | | | Sky. | Prevailing wind direction. | Observers. | | | | |
|------------------------|---------------|------------------|------------------------|-------------------------------------|----------------------------|-----------------|-------|---------|---------------------------|-----------------------|--------|----------------------------|-----------------------|-------------------------|---|-----------------------|-------------------------------|------------------------|-----|----|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmeted. | Number of rainy days, .10 inch or more. | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| <i>Ohio—Cont'd.</i> | | | | | | | | | | | | | | | | | | | | |
| Frankfort. | Ross. | 750 | 18 | 54.4 | + 2.7 | 85 | 30 | 27 | 8 | 50 | 2.81 | - 0.32 | 0.70 | 0.0 | 7 | 12 | 9 | 9 | sw. | |
| Garretttsville. | Portage. | 1,005 | 26 | 48.8 | + 2.9 | 81 | 5 | 22 | 8† | 48 | 3.18 | + 0.18 | 1.43 | 8.0 | 11 | 9 | 9 | 12 | w. | |
| Granville. | Licking. | 980 | 28 | 50.6 | + 1.0 | 81 | 5† | 24 | 8 | 52 | 2.98 | + 0.13 | 0.90 | 1.0 | 12 | 13 | 0 | 17 | w. | |
| Gratiot ⁴ . | do. | 1,000 | 21 | 50.8 | + 0.7 | 80 | 5† | 24 | 8 | 43 | 2.69 | - 0.21 | 0.74 | 3.0 | 12 | 12 | 14 | 9 | w. | |
| Green. | Adams. | 500 | 17 | 54.4 | + 1.4 | 85 | 30 | 37 | 8† | 47 | 3.32 | + 0.08 | 1.00 | 0.0 | 7 | 14 | 9 | 7 | w. | |
| Green Hill. | Columbiana. | 1,135 | 18 | 48.6 | + 2.1 | 81 | 5 | 22 | 8 | 51 | 1.98 | - 0.89 | 0.36 | 4.0 | 12 | 8 | 14 | 8 | sw. | |
| Greenville. | Darke. | 1,060 | 24 | 52.2 | + 2.3 | 83 | 29 | 27 | 8† | 44 | 3.45 | + 0.18 | 0.85 | 10 | 11 | 4 | 15 | se. | | |
| Hillsboro. | Highland. | 1,063 | 31 | 53.6 | + 1.0 | 82 | 30 | 25 | 8† | 44 | 2.85 | - 0.40 | 0.70 | T. | 11 | 8 | 14 | 8 | sw. | |
| Ironton. | Lawrence. | 575 | 27 | 55.0 | + 2.0 | 87 | 30 | 29 | 8† | 44 | 4.46 | + 1.11 | 0.75 | 0.0 | 14 | 8 | 7 | 15 | sw. | |
| Jacksonburg. | Butler. | 975 | 43 | 53.3 | + 1.9 | 84 | 30 | 24 | 8† | 39 | 2.35 | - 0.69 | 0.84 | 14 | 8 | 7 | 15 | sw. | | |
| Kenton. | Hardin. | 1,015 | 18 | 50.5 | + 0.2 | 79 | 11† | 22 | 13 | 52 | 4.01 | + 0.58 | 1.31 | 2.0 | 11 | 10 | 10 | 10 | sw. | |
| Killbuck. | Holmes. | 1,087 | 18 | 51.2 | + 2.5 | 81 | 5 | 26 | 8 | 51 | 2.91 | - 0.09 | 0.97 | 2.0 | 8 | 11 | 14 | 5 | n. | |
| Lancaster. | Fairfield. | 898 | 15 | 53.1 | + 2.6 | 81 | 5 | 30 | 8† | 44 | 3.32 | + 0.35 | 0.85 | 15 | 11 | 4 | 15 | s. | | |
| Lawshe. | Adams. | 900 | 7 | 53.3 | — | 84 | 30 | 24 | 8† | 51 | 2.87 | — | 0.90 | 14 | 10 | 10 | 10 | w. | | |
| McConnelsville. | Morgan. | 710 | 26 | 52.5 | + 1.7 | 84 | 30 | 25 | 8 | 43 | 3.28 | + 0.18 | 0.72 | 2.0 | 12 | 5 | 10 | 15 | w. | |
| Marietta. | Washington. | 627 | 20 | 55.2 | + 1.9 | 86 | 30 | 27 | 8 | 49 | 2.19 | - 1.19 | 0.51 | 0.0 | 14 | 6 | 11 | 13 | s. | |
| Marion. | Marion. | 930 | 32 | 53.4 | + 3.8 | 83 | 29 | 13† | 50 | 3.85 | + 0.92 | 1.10 | 3.0 | 9 | 6 | 16 | 8 | sw. | | |
| Milfordton. | Knox. | 1,200 | 18 | 50.8 | + 3.5 | 80 | 11 | 24 | 8 | 45 | 2.55 | - 0.39 | 0.81 | 3.0 | 8 | 15 | 10 | 5 | sw. | |
| Millport. | Perry. | 875 | 17 | 51.4 | + 1.2 | 81 | 5† | 33 | 8 | 55 | 2.62 | - 0.42 | 0.53 | 1.0 | 13 | 8 | 13 | 9 | nw. | |
| Nellie. | Columbiana. | 1,145 | 18 | 49.6 | + 1.5 | 81 | 5 | 24 | 8 | 51 | 2.04 | - 1.04 | 0.41 | 3.0 | 11 | 7 | 8 | 15 | sw. | |
| New Alexandria. | Coshcohtn. | 850 | 10 | 52.1 | + 2.7 | 82 | 4 | 24 | 12 | 50 | 2.20 | - 0.80 | 1.00 | T. | 6 | 14 | 7 | 9 | w. | |
| New Berlin. | Jefferson. | 1,050 | 25 | 53.6 | + 3.5 | 82 | 6 | 26 | 9 | 42 | 1.60 | - 1.95 | 1.20 | 4.0 | 2 | 14 | 6 | 10 | s. | |
| New Waterford. | Stark. | 1,100 | 18 | 49.4 | + 1.7 | 80 | 5 | 26 | 8 | 47 | 3.54 | + 0.23 | 0.90 | 7.0 | 13 | 15 | 4 | 11 | nw. | |
| Ohio State University. | Columbiana. | 1,053 | 16 | 50.0 | + 3.2 | 80 | 5 | 24 | 8 | 50 | 2.68 | - 0.51 | 0.95 | 11 | 11 | 14 | 5 | sw. | | |
| Pataskala. | Franklin. | 757 | 27 | 52.2 | + 2.3 | 87 | 30 | 26 | 8† | 46 | 2.54 | - 0.33 | 0.77 | 0.5 | 11 | 6 | 14 | 10 | sw. | |
| Licking. | Waverly. | 997 | 18 | 51.6 | + 1.9 | 81 | 30 | 25 | 8 | 44 | 2.94 | - 0.31 | 0.75 | 4.0 | 14 | 8 | 16 | 6 | nw. | |
| Philo(1). | Muskingum. | 1,018 | 15 | 52.5 | + 1.8 | 82 | 5 | 27 | 8 | 38 | 2.28 | - 0.77 | 0.47 | 2.3 | 12 | 10 | 11 | 9 | sw. | |
| Plattsburg. | Clarke. | 1,130 | 17 | 52.4 | + 2.3 | 80 | 29† | 23 | 24 | 42 | 2.69 | + 0.06 | 0.86 | T. | 8 | 12 | 17 | 11 | sw. | |
| Pomeroy. | Meigs. | 751 | 26 | 55.6 | + 2.0 | 86 | 30 | 31 | 8† | 43 | 2.79 | + 0.20 | 0.65 | 6.5 | 18 | 6 | 14 | 10 | w. | |
| Portsmouth. | Scioto. | 527 | 79 | 54.5 | - 1.1 | 83 | 30 | 29 | 8† | 42 | 3.66 | + 0.42 | 0.70 | 0.0 | 15 | 12 | 2 | 16 | w. | |
| Rittman. | Wayne. | 990 | 18 | 50.3 | + 3.8 | 80 | 5 | 20 | 8 | 52 | 2.04 | + 0.80 | 0.62 | 5.0 | 9 | 16 | 5 | 9 | n. | |
| Shenandoah. | Richland. | 1,100 | 18 | 48.2 | + 1.2 | 80 | 29 | 13 | 8† | 46 | 4.43 | + 1.36 | 1.17 | 9.9 | 11 | 5 | 19 | 6 | sw. | |
| Sidney. | Shelby. | 985 | 27 | 53.2 | + 3.3 | 84 | 29 | 25 | 8† | 44 | 3.27 | + 0.30 | 0.80 | 5.5 | 13 | 13 | 7 | 10 | sw. | |
| Somerset. | Perry. | 1,080 | 11 | 51.4 | + 1.2 | 81 | 30 | 29 | 10 | 43 | 3.44 | + 0.12 | 0.63 | 3.0 | 16 | 14 | 8 | 8 | s. | |
| Springfield. | Clarke. | 1,002 | 16 | 51.6 | + 1.8 | 84 | 30 | 23 | 8 | 53 | 3.46 | - 0.67 | 1.5 | 1.5 | 12 | 9 | 16 | 5 | sw. | |
| Summerfield. | Noble. | 1,187 | 4 | 51.6 | — | 84 | 30 | 23 | 8 | 53 | 3.46 | - 0.67 | 1.5 | 1.5 | 16 | 9 | 14 | 9 | sw. | |
| Thurman. | Gallia. | 696 | 17 | 54.6 | + 0.8 | 86 | 30 | 28 | 8† | 45 | 2.38 | - 0.03 | 0.42 | T. | 8 | 8 | 11 | 11 | w. | |
| Urbana. | Champaign. | 1,031 | 40 | 53.2 | + 4.3 | 83 | 29 | 22 | 8† | 44 | 4.12 | + 1.00 | 1.03 | 2.0 | 12 | 6 | 18 | 6 | sw. | |
| Warren. | Trumbull. | 900 | 21 | 49.8 | + 3.0 | 83 | 5 | 25 | 13 | 47 | 3.15 | + 0.55 | 1.15 | 4.1 | 11 | 12 | 6 | 12 | nw. | |
| Waverly. | Pike. | 500 | 27 | 52.4 | - 0.7 | 88 | 30 | 25 | 8† | 53 | 3.07 | - 0.16 | 1.08 | 1.08 | 16 | 15 | 3 | 12 | s. | |
| Waynesville. | Warren. | 700 | 25 | 53.4 | + 3.4 | 83 | 30 | 25 | 8† | 49 | 3.93 | + 1.13 | 0.32 | 0.0 | 11 | 10 | 13 | 7 | sw. | |
| Wooster. | Wayne. | 1,030 | 30 | 50.2 | + 2.5 | 81 | 5 | 23 | 13 | 51 | 3.22 | + 0.71 | 0.85 | 9.2 | 14 | 11 | 3 | 16 | nw. | |
| Youngstown. | Mahoning. | 846 | 18 | 51.8 | + 1.2 | 80 | 29 | 29 | 8† | 46 | 2.59 | + 0.34 | 0.83 | 13 | 14 | 0 | 16 | w. | | |
| Zanesville. | Muskingum. | 700 | 23 | 52.4 | - 0.4 | 78 | 30 | 31 | 19 | 37 | 3.79 | + 0.13 | 0.5 | 1.50 | T. | 16 | 8 | 10 | 13 | w. |
| <i>Virginia.</i> | | | | | | | | | | | | | | | | | | | | |
| Big Stone Gap. | Wise. | 1,540 | 10 | 55.4 | + 1.8 | 81 | 4† | 30 | 20† | 44 | 4.72 | + 0.88 | 0.85 | 0.0 | 12 | 8 | 15 | 7 | w. | |
| Blacksburg. | Montgomery. | 2,170 | 19 | 52.0 | + 2.0 | 83 | 30 | 30 | 22† | 45 | 4.24 | + 1.42 | 0.75 | T. | 16 | 10 | 9 | 11 | w. | |
| Burkes Garden. | Tazewell. | 3,250 | 15 | 47.9 | + 0.7 | 75 | 30 | 25 | 10† | 44 | 4.29 | + 0.45 | 1.03 | 1.0 | 10 | 9 | 4 | 17 | sw. | |
| Elk Knob. | Lee. | 3,243 | 7 | 54.8 | — | 80 | 4 | 29 | 19† | 28 | 4.04 | — | 1.01 | 2.0 | 18 | 11 | 6 | 13 | sw. | |
| Galax. | Grayson. | 2,300 | 2 | 51.5 | — | 81 | 30 | 30 | 11† | 44 | 4.01 | — | 1.90 | T. | 9 | 10 | 13 | 7 | s. | |
| Ivanhoe ⁴ . | Wythe. | 2,028 | 6 | 52.8 | — | 76 | 3† | 34 | 19† | 30 | 3.90 | — | 1.16 | 0.0 | 19 | 8 | 16 | 6 | w. | |
| Lebanon. | Russell. | 2,131 | — | 52.0 | — | 79 | 30 | 28 | 8 | 39 | 3.14 | — | 1.00 | T. | 13 | 12 | 5 | 13 | sw. | |
| Marion. | Smyth. | 2,224 | 15 | 53.2 | + 1.0 | 79 | 30 | 29 | 9 | 45 | 3.73 | + 0.51 | 1.14 | 0.0 | 11 | 13 | 11 | 6 | sw. | |
| Max Meadows. | Wythe. | 2,028 | 14 | 52.0 | + 0.9 | 80 | 30 | 31 | 9† | 43 | 3.55 | — | 1.08 | 1.08 | 10 | 13 | 5 | 12 | sw. | |
| Mendota. | Washington. | 1,350 | 4 | 52.4 | + 0.9 | 80 | 30 | 31 | 9† | 43 | 3.55 | — | 0.82 | 0.0 | 11 | 10 | 13 | 7 | sw. | |
| Radford. | Montgomery. | 1,773 | 4 | 52.0 | + 0.2 | 88 ^a | 4 | 32 | 8† | 46 | 3.22 | — | 0.82 | 0.0 | 11 | 13 | 7 | 10 | nw. | |
| Speers Ferry. | Scott. | 1,221 | 14 | 53.1 | — | 79 | 4† | 29 | 25 | 38 | 1.98 | — | 0.40 | 0.3 | 8 | 6 | 19 | 5 | w. | |
| Wytheville. | Wythe. | 2,293 | 17 | 52.4 | - 0.4 | 78 | 30 | 30 | 9† | 45 | 2.78 | - 1.07 | 1.27 | T. | 14 | 12 | 13 | 5 | sw. | |
| <i>North Carolina.</i> | | | | | | | | | | | | | | | | | | | | |
| Andrews. | Cherokee. | 1,800 | 56.0 | 84 | 4 | 29 | 24 | 48 | 5.72 | — | 1.24 | T. | 14 | 9 | 11 | 10 | 10 | sw. | | |
| Asheville. | Buncombe. | 2,250 | 31 | 54.8 | + 0.9 | 82 | 30 | 31 | 26 | 39 | 1.72 | - 2.32 | 0.58 | T. | 10 | 10 | 6 | 14 | nw. | |
| Banners Elk. | Transylvania. | 3,750 | 2 | 48.1 | — | 76 | 4 | 26 | 25 | 41 | 3.12 | — | 0.96 | 0.5 | 14 | 12 | 7 | 11 | w. | |
| Brevard. | Swain. | 2,230 | 9 | 54.4 | — | 83 | 30 | 28 | 9 | 51 | 2.30 | — | 1.33 | T. | 7 | 16 | 13 | 1 | n. | |
| Cullowhee. | Jackson. | 2,100 | 53.7 | 83 | 4† | 25 | 8 | 53 | 2.29 | — | 0.67 | T. | 13 | 12 | 6 | 13 | sw. | | | |
| Hendersonville. | Henderson. | 2,167 | 14 | 55.4 | + 2.1 | 87 | 30 | 30 | 22 | 46 | 2.35 | - 1.83 | 1.36 | T. | 9 | 20 | 4 | 6 | nw. | |
| Highlands. | Macon. | 3,670 | 20 | 49.4 | + 0.1 | 77 | 4 | 22 | 24 | 39 | 4.28 | - 2.22 | 3.30 | 6.0 | 5 | 15 | 9 | 6 | sw. | |
| Hot Springs. | Madison. | 1,326 | 12 | 54.4 | + 0.2 | 88 ^a | 4 | 32 | 8† | 46 | 3.22 | — | 0.81 | 1.0 | 13 | 13 | 7 | 10 | w. | |
| Jefferson. | Ash. | 2,800 | 3 | 53.1 | — | 86 | 4 | 30 | 25 | 38 | 1.98 | — | 0.40 | 0.3 | 8 | 6 | 19 | 5 | w. | |
| Marshall. | Madison. | 1,646 | 9 | 55.5 | — | 86</ | | | | | | | | | | | | | | |

TABLE 1.—Climatological data for April, 1910. District No. 3—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | Precipitation, in inches. | | | | | Observers. | | | | | | |
|-------------------|---------------|------------------|------------------------|-------------------------------------|----------------------------|----------|---------|-------|---------------------------|--------|----------------------------|-----------------------|-------------------------|---|-----|----|-----|-----|-----|------|
| | | | | Mean. | Departure from the normal. | Highest. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmeted. | Number of rainy days, .01 inch or more. | | | | | | |
| Tennessee—Cont'd. | | | | | | | | | | | | | | | | | | | | |
| Elizabethton. | Carter. | 1,575 | 20 | — | + 0.3 | 52.6 | 33.3 | 4 | 27 | 24 | 47 | 5.25 | - 0.15 | 1.51 | 8.2 | 14 | 9 | 12 | w. | |
| Erasmus. | Cumberland. | 1,850 | 13 | 52.6 | + 0.3 | 57.6 | — 1.6 | 4 | 33 | 24 | 37 | 4.10 | + 0.04 | 1.50 | 1.2 | 11 | 10 | 12 | s. | |
| Florence. | Rutherford. | 560 | 28 | 57.6 | + 1.4 | 57.2 | — 1.4 | 4 | 29 | 25 | 38 | 6.05 | + 1.16 | 2.82 | T. | 8 | 9 | 3 | 18 | |
| Franklin. | Williamson. | 655 | 20 | 57.2 | + 1.2 | 53.3 | 33.3 | 4 | 30 | 24 | 42 | 4.24 | + 0.17 | 1.51 | 2.0 | 7 | 11 | 13 | 6 | |
| Harriman. | Roane. | 841 | 15 | 58.4 | + 1.0 | 87 | — 4 | 4 | 30 | 24 | 42 | 4.24 | + 0.17 | 1.51 | 1.2 | 9 | 15 | 6 | sw. | |
| Hohenwald. | Lewis. | 938 | 24 | 58.0 | + 0.3 | 83 | 29 | 4 | 28 | 25 | 45 | 7.29 | + 2.74 | 4.05 | T. | 8 | 9 | 13 | 6 | |
| Iron City. | Lawrence. | 13 | 57.8 | + 0.9 | 84 | 44 | 28 | 4 | 31 | 25 | 45 | 4.03 | + 0.11 | 1.94 | T. | 12 | 7 | 13 | 10 | nw. |
| Johnsonville. | Humphreys. | 364 | 14 | 57.8 | + 1.0 | 86 | 29 | 4 | 28 | 25 | 47 | 3.76 | + 0.11 | 0.80 | T. | 15 | 9 | 11 | 10 | ne. |
| Jonesboro. | Washington. | 1,740 | 15 | 56.0 | + 1.1 | 85 | 44 | 4 | 33 | 35 | 36 | 4.12 | + 0.52 | 0.90 | 0.7 | 13 | 11 | 7 | 12 | sw. |
| Knoxville. | Knox. | 977 | 39 | 57.8 | + 0.4 | 85 | 44 | 4 | 33 | 25 | 38 | 5.73 | — | 2.02 | 2.0 | 16 | 9 | 5 | 16 | s. |
| Lebanon. | Wilson. | 522 | 1 | 58.2 | + 0.1 | 84 | 34 | 4 | 31 | 25 | 38 | 5.10 | + 1.74 | 3.31 | 1.5 | 14 | 8 | 7 | 15 | sw. |
| Lewisburg. | Marshall. | 727 | 15 | 58.0 | + 0.1 | 84 | 29 | 4 | 25 | 25 | 42 | 5.19 | + 1.24 | 2.39 | T. | 12 | 10 | 7 | 13 | sw. |
| Lynnhurst. | Giles. | 770 | 22 | 57.0 | + 1.3 | 82 | 30 | 4 | 30 | 25 | 40 | 5.53 | + 0.90 | 2.99 | T. | 8 | 6 | 18 | 6 | n. |
| McMinnville. | Warren. | 1,011 | 26 | 57.6 | + 0.4 | 87 | 4 | 30 | 25 | 42 | 4.69 | + 0.28 | 1.80 | 8.3 | 14 | 7 | 13 | 10 | s. | |
| Maryville. | Blount. | 1,050 | 14 | 58.5 | + 1.6 | 88 | 44 | 4 | 30 | 24 | 44 | 5.29 | + 0.55 | 0.66 | T. | 13 | 10 | 11 | 9 | sw. |
| Mountain City. | Johnson. | 2,486 | 13 | 52.1 | + 2.7 | 82 | 3 | 25 | 9 | 47 | 3.00 | + 0.71 | 1.10 | T. | 11 | 11 | 9 | 10 | | |
| Nashville. | Davidson. | 654 | 39 | 58.2 | + 0.9 | 85 | 29 | 32 | 25 | 34 | 4.25 | + 1.74 | 3.20 | T. | 16 | 9 | 5 | 16 | s. | |
| Newport. | Cooke. | 1,280 | 20 | 56.6 | + 0.1 | 81 | 30 | 35 | 8 | 34 | 3.70 | + 1.16 | 1.20 | T. | 8 | 16 | 7 | 7 | w. | |
| Palmetto. | Bedford. | 770 | 17 | 59.6 | + 0.7 | 84 | 44 | 27 | 25 | 45 | 4.39 | + 0.05 | 2.28 | T. | 6 | 10 | 9 | 11 | n. | |
| Pinewood. | Hickman. | 3 | 58.1 | + 0.1 | 87 | 30 | 28 | 25 | 48 | 5.64 | — | 3.25 | 0.7 | 15 | 11 | 4 | 5 | s. | | |
| Pope. | Perry. | 13 | 54.8 | + 3.6 | 84 | 10 | 31 | 24 | 50 | 5.25 | + 1.49 | 4.20 | 0.3 | 7 | 15 | 11 | 4 | w. | | |
| Rogersville. | Hawkins. | 1,150 | 25 | 55.6 | + 0.3 | 84 | 4 | 30 | 25 | 44 | 2.90 | + 0.61 | 0.70 | T. | 14 | 12 | 9 | 9 | sw. | |
| Rugby. | Morgan. | 1,410 | 22 | 53.2 | + 1.4 | 85 | 30 | 24 | 24 | 47 | 6.99 | + 2.53 | 1.11 | 5.9 | 18 | 8 | 3 | 19 | w. | |
| Savannah. | Hardin. | 442 | 26 | 59.2 | + 1.4 | 84 | 29 | 34 | 25 | 41 | 7.27 | + 3.19 | 5.30 | T. | 7 | 10 | 8 | 12 | sw. | |
| Sevierville. | Sevier. | 4 | 56.4 | + 0.1 | 86 | 4 | 30 | 24 | 49 | 3.93 | — | 1.37 | T. | 10 | 7 | 8 | 15 | sw. | | |
| Sewanee. | Franklin. | 2,000 | 14 | 56.0 | 0.0 | 82 | 30 | 28 | 25 | 43 | 3.23 | + 1.17 | 1.50 | 5.0 | 5 | 8 | 1 | 21 | nw. | |
| Sparta. | White. | 920 | 20 | 56.1 | + 2.5 | 82 | 24 | 30 | 24 | 43 | 4.10 | — | 1.07 | 4.5 | 20 | 10 | 9 | 6 | w. | |
| Springdale. | Claiborne. | 1,058 | 20 | 58.1 | + 2.5 | 84 | 29 | 28 | 22 | 51 | 3.65 | + 0.39 | 0.87 | T. | 10 | 9 | 6 | 15 | w. | |
| Springville. | Henry. | 377 | 7 | 57.2 | + 1.2 | 84 | 29 | 31 | 74 | 42 | 5.54 | — | 2.95 | 0.2 | 17 | 11 | 8 | 11 | s. | |
| Tullahoma. | Coffee. | 1,075 | 22 | 57.6 | + 0.4 | 84 | 4 | 29 | 25 | 40 | 4.28 | + 0.26 | 2.21 | T. | 10 | 8 | 11 | 11 | w. | |
| Waynesboro. | Wayne. | 753 | 24 | 57.7 | + 1.1 | 84 | 29 | 30 | 25 | 42 | 4.00 | + 0.01 | 6.94 | 0.5 | 14 | 8 | 12 | 10 | s. | |
| Wildersville. | Henderson. | 13 | 58.0 | + 1.5 | 87 | 3 | 32 | 24 | 46 | 3.39 | + 0.53 | 1.95 | T. | 8 | 8 | 8 | 14 | s. | | |
| Yukon. | Lincoln. | 850 | 13 | 58.6 | + 0.4 | 86 | 17 | 26 | 25 | 47 | 3.61 | + 0.79 | 1.75 | 0.0 | 8 | 6 | 18 | 6 | w. | |
| Kentucky. | | | | | | | | | | | | | | | | | | | | |
| Alpha. | Clinton. | 16 | 58.2 | + 1.2 | 84 | 44 | 35 | 24 | 39 | 33 | 6.23 | + 1.96 | 1.37 | T. | 10 | 14 | 1 | 15 | w. | |
| Anchorage. | Jefferson. | 700 | 9 | 54.2 | + 1.5 | 82 | 30 | 39 | 74 | 39 | 5.56 | + 1.62 | 1.97 | 0.5 | 8 | 8* | 11* | 14 | sw. | |
| Bardstown. | Nelson. | 637 | 14 | 56.0 | + 1.6 | 86 | 30 | 30 | 24 | 43 | 5.08 | + 2.04 | 1.05 | 0.5 | 15 | 14 | 2 | 14 | se. | |
| Beattyville. | Lee. | 650 | 7 | 54.2 | + 1.2 | 86 | 44 | 26 | 24 | 48 | 4.50 | — | 0.68 | T. | 13 | 11 | 7 | 12 | w. | |
| Beaver Dam. | Ohio. | 441 | 7 | 53.7 | + 1.0 | 85 | 30 | 31 | 74 | 43 | 6.50 | — | 1.50 | T. | 13 | 14 | 1 | 15 | nw. | |
| Berea. | Madison. | 1,070 | 9 | 57.6 | + 3.1 | 86 | 30 | 31 | 8 | 36 | 3.40 | + 0.19 | 1.25 | 1.2 | 13 | 12 | 9 | 9 | ne. | |
| Bowling Green. | Warren. | 500 | 21 | 58.2 | + 1.2 | 86 | 30 | 30 | 24 | 43 | 5.73 | + 1.90 | 0.78 | 2.3 | 16 | 13 | 1 | 16 | s. | |
| Burnside. | Pulaski. | 773 | 20 | 58.1 | + 0.1 | 86 | 30 | 30 | 24 | 43 | 5.73 | + 1.90 | 0.90 | 0.0 | 14 | 11 | 8 | 11 | ne. | |
| Cadiz. | Trigg. | 8 | 56.4 | + 0.1 | 84 | 29 | 30 | 24 | 40 | 4.74 | + 0.79 | 1.42 | — | 11 | | | | | ne. | |
| Calhoun. | McLean. | 397 | 7 | 58.1 | + 0.1 | 85 | 29 | 31 | 24 | 46 | 4.72 | — | 2.21 | T. | 10 | 6 | 12 | 12 | sw. | |
| Catlettsburg. | Boyd. | 544 | 17 | 56.0 | + 1.2 | 82 | 30 | 31 | 34 | 36 | 2.94 | + 0.23 | 0.85 | T. | 13 | 15 | 6 | 9 | n. | |
| Erlington. | Hopkins. | 370 | 21 | 56.0 | + 1.2 | 86 | 30 | 31 | 7 | 47 | 4.28 | + 0.82 | 0.76 | T. | 14 | 18 | 2 | 10 | s. | |
| Edmonton. | Metcalf. | 600 | 19 | 56.6 | + 0.8 | 83 | 30 | 30 | 24 | 41 | 6.30 | + 2.20 | 1.65 | T. | 16 | 11 | 5 | 14 | sw. | |
| Eubank. | Pulaski. | 1,177 | 16 | 56.0 | + 0.8 | 82 | 29 | 27 | 24 | 47 | 5.34 | — | 1.04 | 17 | 16 | 7 | 12 | sw. | | |
| Falmouth. | Pendleton. | 530 | 21 | 56.2 | + 1.2 | 85 | 25 | 24 | 46 | 5.02 | — | 2.78 | + 0.45 | 0.60 | T. | 14 | 14 | 6 | 10 | sw. |
| Farmers. | Rowan. | 668 | 5 | 55.2 | + 0.9 | 85 | 14 | 25 | 24 | 46 | 4.29 | — | 1.55 | 1.2 | 11 | 11 | 8 | 11 | w. | |
| Frankfort. | Franklin. | 560 | 20 | 56.0 | + 0.9 | 82 | 30 | 31 | 34 | 36 | 2.94 | + 0.23 | 0.85 | T. | 13 | 15 | 6 | 9 | n. | |
| Franklin. | Simpson. | 691 | 17 | 57.9 | + 1.2 | 85 | 29 | 31 | 25 | 38 | 6.64 | + 2.45 | 1.80 | 5.0 | 12 | 4 | 15 | 11 | nw. | |
| Greensburg. | Green. | 581 | 18 | 54.0 | + 1.1 | 83 | 29 | 31 | 24 | 31 | 5.85 | + 1.19 | 0.71 | 0.0 | 17 | 12 | 9 | 18 | n. | |
| Highbridge. | Jessamine. | 762 | 8 | 54.0 | + 0.1 | 87 | 9 | 32 | 25 | 47 | 5.34 | — | 1.04 | 17 | 16 | 2 | 12 | sw. | | |
| Hopkinsville. | Christian. | 524 | 14 | 56.8 | + 0.1 | 87 | 9 | 32 | 25 | 48 | 6.32 | + 2.84 | 1.97 | 5.0 | 14 | 14 | 0 | 16 | ne. | |
| Irvington. | Breckinridge. | 12 | 56.0 | + 1.6 | 82 | 30 | 31 | 24 | 48 | 5.87 | + 3.09 | 2.30 | T. | 12 | 10 | 3 | 17 | sw. | | |
| Leitchfield. | Grayson. | 635 | 15 | 55.5 | + 3.9 | 81 | 29 | 30 | 24 | 36 | 5.36 | + 2.01 | 1.27 | T. | 13 | 12 | 7 | 13 | sw. | |
| Lexington. | Fayette. | 989 | 23 | 54.1 | + 0.4 | 81 | 30 | 28 | 24 | 39 | 4.22 | + 0.88 | 1.00 | 0.8 | 14 | 5 | 10 | 15 | sw. | |
| Loretto. | Marion. | 681 | 13 | 57.1 | + 1.0 | 82 | 29 | 27 | 24 | 31 | 4.14 | + 0.50 | 2.48 | 1.24 | 0.0 | 12 | 12 | 9 | 16 | sw. |
| Louisville. | Jefferson. | 525 | 38 | 56.8 | + 0.6 | 85 | 30 | 35 | 24 | 32 | 4.61 | + 0.54 | 5.14 | 1.91 | T. | 13 | 7 | 7 | 16 | sw. |
| Marion. | Crittenden. | 16 | 56.2 | + 0.7 | 82 | 29 | 28 | 24 | 34 | 6.62 | + 2.72 | 1.42 | T. | 12 | 12 | 9 | 17 | sw. | | |
| Maysville. | Mason. | 524 | 14 | 52.9 | + 0.4 | 87 | 30 | 25 | 24 | 48 | 3.67 | + 0.92 | 0.88 | 0.0 | 17 | 14 | 5 | 11 | nw. | |
| Middlesboro. | Bell. | 1,128 | 17 | 56.4 | + 0.6 | 85 | 4 | 28 | 24 | 47 | 4.29 | + 0.02 | 0.93 | T. | 12 | 7 | 6 | 7 | s. | |
| Mt. Sterling. | Montgomery. | 930 | 21 | 54.4 | + 1.0 | 82 | 30 | 29 | 24 | 39 | 5.93 | + 2.28 | 1.51 | T. | 16 | 11 | 9 | 10 | sw. | |
| Owensboro. | Davies. | 479 | 14 | 55.2 | + 0.0 | 82 | 29 | 32 | 24 | 43 | 6.61 | + 3.33 | 1.33 | T. | 16 | 14 | 1 | 15 | s. | |
| Owenton. | Owen. | 700 | 14 | 55.3 | + 1.0 | 79 | 30 | 28 | 24 | 37 | 3.78 | + 0.77 | 1.05 | T. | 9 | 4 | 16 | 16 | sw. | |
| Paducah. | McCracken. | 341 | 18 | 54.2 | + 0.4 | 82 | 29 | 30 | 24 | 36 | 6.90 | + 3.00 | 2.00 | 0.36 | 0.0 | 13 | 15 | 7 | 16 | calm |
| Pikeville. | Pike. | 1 | 55.6 | + 0.4 | 82 | 4 | 30 | 24 | 34 | 5.09 | + 1.86 | 1.04 | — | 12 | 12 | 6 | 7 | sw. | | |
| Richmond. | Madison. | 926 | 21 | 55.6 | + 0.4 | 82 | 4 | 30 | 24 | 34 | 4.76 | + 4.17 | 1.25 | 0.0 | 15 | 14 | | | | |

MONTHLY WEATHER REVIEW.

APRIL, 1910

TABLE 1.—Climatological data for April, 1910. District No. 9—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | Precipitation, in inches. | | | | | Sky. | Prevailing wind direction. | Observers. | | | | |
|------------------------|--------------|------------------|------------------------|-------------------------------------|----------------------------|-----------------|-----------------|-----------------|---------------------------|-----------------------|-------------------|----------------------------|-----------------------|----------------------------|--|-------------------------------|------------------------|-----------------|---------------------|-------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmeasured. | Number of rainy days .01 inch or more. | Number of partly cloudy days. | Number of cloudy days. | | | |
| <i>Indiana—Cont'd.</i> | | | | | | | | | | | | | | | | | | | | |
| Kokomo. | Howard. | 840 | 18 | 52.7 ^c | + 1.7 | 86 ^c | 30 | 27 ^c | 24 | 42 ^c | 3.18 | - 0.02 | 0.70 | 0.0 | 9 | 11 ^b | 3 ^b | 14 ^b | s. | John W. Doty. |
| Lafayette. | Tipppecanoe. | 617 | 31 | 51.6 | + 1.2 | 82 | 29 | 26 | 24 | 43 | 2.75 | - 0.62 | 0.76 | 2.2 | 12 | 14 | 1 | 15 | s. | Wm. J. Jones, Jr. |
| Logansport. | Cass. | 620 | 30 | 51.8 | + 1.0 | 85 | 29 | 28 | 24 | 45 | 3.75 | + 0.48 | 1.12 | 0.0 | 11 | 14 | 2 | 14 | e. | Chas. Massena. |
| Madison. | Jefferson. | 460 | 18 | 55.9 | + 1.1 | 85 | 30 | 32 | 24 | 44 | 3.34 | + 0.11 | 0.77 | 0.5 | 12 | 15 | 9 | 6 | sw. | Dr. J. Cooperider. |
| Marengo. | Crawford. | 363 | 23 | 55.0 ^a | - 0.4 | 80 ^a | 14 | 30 ^a | 21 | 41 ^a | 4.72 | - 1.46 | 1.46 | T | 11 ^f | 5 ^b | 9 ^b | w. | J. M. Johnson. | |
| Marion. | Grant. | 814 | 24 | 52.0 | + 1.3 | 83 | 29 | 25 | 24 | 48 | 4.28 | - 0.03 | 0.85 | 7.7 | 11 | 11 | 6 | 13 | s. | James F. Hood. |
| Markle. | Huntington. | 814 | 15 | 50.6 | + 1.6 | 76 ^c | 4 | 23 | 13 | 45 ^c | 2.90 ^b | - 0.80 ^b | 5.0 | 7 | 12 ^b | 6 ^b | 10 ^b | sw. | I. S. Shideler. | |
| Mausy. | Rush. | 980 | 30 | 55.2 ^c | + 5.1 | 81 | 29 ^c | 24 ^c | 24 | 41 ^c | 3.30 | + 0.11 | 0.80 | 2.0 | 10 | 11 | 11 | 15 | sw. | Elwood Kirkwood. |
| Moores Hill. | Dearborn. | 9 | 55.0 | ..... | ..... | 83 | 29 ^c | 28 | 24 | 37 | 2.35 | ..... | 0.47 | T | 13 | 14 | 1 | 15 | sw. | W. S. Bigney. |
| Mount Vernon. | Posey. | 410 | 24 | ..... | ..... | 84 | 29 ^c | 28 | 24 | 48 | 4.88 | + 0.36 | 1.08 | 9.5 | 15 | ..... | ..... | ..... | ..... | Chas. M. Spencer. |
| Paoli. | Orange. | 611 | 13 | 54.3 | + 1.0 | 82 | 30 | 30 | 24 | 40 | 4.38 | + 1.04 | 1.09 | 1.0 | 13 | 10 | 9 | 11 | sw. | James A. Gillum. |
| Princeton. | Gibson. | 481 | 28 | 54.2 | - 0.2 | 83 | 30 | 28 | 24 | 38 | 2.90 | - 0.41 | 0.85 | 5.0 | 10 | 15 | 6 | 9 | ..... | Elisha Jones. |
| Richmond. | Wayne. | 972 | 25 | 52.2 | + 2.1 | 83 | 29 | 24 | 24 | 49 | 3.06 | + 0.13 | 0.83 | 3.1 | 11 | 11 | 10 | 9 | ..... | Walter Vossler. |
| Rochester. | Fulton. | 775 | 7 | 51.8 | ..... | 76 | 29 | 28 | 24 | 35 | 3.68 | ..... | 0.81 | 6.2 | 12 | 14 | 4 | 12 | ..... | G. P. Keith. |
| Rockville. | Parke. | 722 | 24 | 51.2 | - 1.1 | 79 | 10 | 27 | 23 | 37 | 3.17 | - 0.32 | 0.93 | T | 14 | 9 | 6 | 15 | s. | Dr. W. N. Wirt. |
| Rome. | Perry. | 370 | 7 | 57.5 | ..... | 85 | 10 ^f | 32 | 24 | 43 | 6.07 | ..... | 1.98 | T | 15 | 11 | 6 | 13 | w. | Adam Anspach. |
| Salamonie. | Jay. | 5 | 51.8 | ..... | ..... | 83 | 29 | 24 | 24 | 45 | 2.66 | ..... | 0.57 | 3.0 | 12 | 10 | 5 | 15 | sw. | Chas. V. Skinner. |
| Salem. | Washington. | 717 | 17 | 54.1 | + 1.1 | 84 | 30 | 28 | 24 | 41 | 5.63 | + 2.30 | 1.65 | 2.0 | 14 | 7 | 15 | 8 | w. | Emmet S. Allen. |
| Scottsburg. | Scott. | 570 | 16 | 55.0 | + 0.4 | 86 | 30 | 33 | 24 | 40 | 4.22 | + 1.26 | 1.08 | 0.5 | 12 | 10 | 9 | 11 | sw. | Frank H. Park. |
| Seymour. | Jackson. | 610 | 23 | 55.4 | + 1.5 | 84 | 30 ^f | 30 | 24 | 42 | 3.62 | + 0.19 | 1.05 | 0.3 | 14 | 7 | 19 | 4 | w. | J. Robt. Blair. |
| Shelbyville. | Shelby. | 6 | 53.4 | ..... | ..... | 84 | 29 | 28 | 24 | 41 | 3.37 | ..... | 0.91 | 0.0 | 15 | 4 | 21 | 5 | sw. | B. F. Crouch. |
| Terre Haute. | Vigo. | 498 | 20 | 55.6 | + 1.6 | 84 | 29 | 27 | 24 | 33 | 3.10 | - 0.58 | 1.20 | 0.5 | 13 | 13 | 5 | 12 | sw. | Prof. R. G. Gillum. |
| Veederburg. | Fountain. | 612 | 11 | 53.6 | + 2.1 | 83 | 29 ^f | 23 | 24 | 43 | 2.68 | + 0.06 | 0.90 | T | 15 | 15 | 7 | 8 | s. | L. A. Culver, Jr. |
| Vevay. | Switzerland. | 525 | 20 | 55.8 | + 0.4 | 84 | 30 | 32 | 24 | 36 | 2.25 | + 1.05 | 0.90 | T | 7 | 7 | 3 | 11 | sw. | Miss Frederica Boerner. |
| Vincennes. | Knox. | 431 | 18 | 54.8 | + 0.2 | 87 | 30 | 28 | 24 | 40 | 4.41 | + 0.53 | 1.35 | T | 15 | 12 | 3 | 15 | s. | Garrett V. List. |
| Washington. | Daviess. | 434 | 14 | 54.4 | + 1.4 | 82 | 30 | 29 | 24 | 34 | 4.00 | + 1.07 | 1.25 | T | 17 | 17 | 0 | 13 | se. | Homer B. Turrell. |
| Whitestown. | Boone. | 80 | 21 | 51.6 | ..... | 80 | 29 | 25 | 24 | 37 | 3.83 | ..... | 0.69 | 5.5 | 15 | 9 | 14 | 7 | sw. | C. C. Stevenson. |
| Winona Lake. | Kosciusko. | 3 | 52.3 | ..... | ..... | 83 | 29 | 26 | 24 | 46 | 3.90 | ..... | 0.80 | 5.5 | 15 | 8 | 10 | 12 | sw. | Rev. Albert A. Young. |
| Worthington. | Greene. | 526 | 28 | 54.9 | + 1.1 | 85 | 30 | 28 | 24 | 41 | 3.29 | - 0.23 | 0.53 | T | 14 | 11 | 13 | 6 | sw. | D. W. Solliday. |
| <i>Illinois.</i> | | | | | | | | | | | | | | | | | | | | |
| Albion. | Edwards. | 531 | 19 | 55.1 | + 0.1 | 86 | 29 | 28 | 24 | 40 | 3.48 | + 0.04 | 0.75 | 3.2 | 13 | 13 | 5 | 12 | sw. | B. F. Michels. |
| Charleston. | Coles. | 720 | 25 | 53.2 | + 0.1 | 85 | 29 | 26 | 24 | 40 | 2.09 | - 1.17 | 0.50 | 2.0 | 13 | 7 | 12 | 11 | s. | Jacob B. Daisy. |
| Equality. | Gallatin. | 421 | 12 | 57.4 | + 1.5 | 85 | 29 | 29 | 24 | 37 | 5.30 | + 1.55 | 1.37 | 8.0 | 15 | 6 | 9 | 9 | s. | Dr. L. W. Gordon. |
| Fairfield. | Wayne. | 495 | 17 | 57.2 | + 1.8 | 87 | 29 | 26 | 24 | 43 | 3.20 | + 0.09 | 0.81 | 4.0 | 13 | 13 | 0 | 17 | nw. | Geo. A. Tromly. |
| Flora. | Clay. | 495 | 24 | 55.6 | + 1.2 | 88 | 30 | 28 | 24 | 42 | 3.93 | + 0.19 | 1.51 | 1.5 | 13 | 11 | 9 | 10 | w. | Jos. S. Peak. |
| Golconda. | Pope. | 500 | 32 | 57.3 | - 0.3 | 85 | 30 | 30 | 23 | 39 | 6.40 | + 2.49 | 2.02 | 5.5 | 13 | 12 | 5 | 13 | sw. | Dr. D. Lawrence. |
| Hooperston. | Vermilion. | 715 | 8 | 52.7 | ..... | 85 | 29 | 23 | 24 | 41 | 2.46 | ..... | 0.56 | 6.9 | 15 | 15 | 3 | 12 | w. | S. F. Hoskinson. |
| McLeansboro. | Hamilton. | 462 | 27 | 54.8 | - 0.7 | 86 | 10 | 28 | 24 | 40 | 2.45 | - 1.07 | 0.59 | 5.0 | 14 | 5 | 4 | 11 | w. | C. C. Judd. |
| Martinsville. | Clark. | 630 | 22 | ..... | ..... | 85 | 29 | 29 | 24 | 40 | 2.42 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | G. M. Daugherty. |
| Mount Carmel. | Wabash. | 424 | 9 | 55.0 | ..... | 85 | 30 | 29 | 24 | 40 | 3.68 | - 0.01 | 0.64 | 2.2 | 16 | 2 | 16 | ..... | ..... | Mrs. H. M. Phillips. |
| New Burnside. | Johnson. | 558 | 15 | 55.8 | - 0.6 | 85 | 29 | 28 | 24 | 35 | 4.80 | + 0.90 | 1.65 | 5.0 | 10 | 14 | 1 | 15 | s. | Geo. Harris. |
| Olney. | Richland. | 436 | 23 | 55.8 | + 1.0 | 86 | 30 | 29 | 24 | 37 | 3.79 | + 0.18 | 0.97 | 1.7 | 12 | 8 | 8 | 14 | w. | Victor E. Phillips. |
| Palestine. | Crawford. | 500 | 28 | 55.6 | + 1.6 | 84 | 30 | 27 | 24 | 39 | 2.53 | - 1.02 | 0.45 | 0.6 | 13 | 8 | 9 | 13 | sw. | Duane Shaw. |
| Paris. | Edgar. | 600 | 17 | 53.4 | + 2.2 | 83 | 29 | 25 | 24 | 37 | 3.59 | + 0.17 | 1.10 | T | 11 | 12 | 10 | 8 | sw. | H. P. Twyman. |
| Philo. | Champaign. | 700 | 26 | 51.4 | + 0.2 | 85 | 29 | 25 | 24 | 34 | 2.80 | - 0.51 | 0.67 | 3.0 | 12 | 12 | 8 | 10 | w. | H. A. Burr. |
| Rantoul. | do. | 768 | 19 | 52.5 | + 2.0 | 87 | 29 | 21 | 24 | 43 | 2.72 | - 0.79 | 0.57 | 7.0 | 14 | 13 | 5 | 12 | se. | Wm. Breiner. |
| Robinson. | Crawford. | 500 | 10 | 54.0 | + 1.9 | 84 | 30 | 27 | 24 | 34 | 2.63 | - 1.10 | 0.70 | 1.2 | 12 | 13 | 7 | 10 | w. | A. P. Woodworth. |
| Summer. | Lawrence. | 459 | 2 | 55.0 | ..... | 85 | 30 | 28 | 24 | 35 | 3.53 | ..... | 1.10 | 4.0 | 12 | 11 | 0 | 19 | s. | O. A. Fyffe. |
| Tuscola. | Douglas. | 644 | 17 | 52.7 ^b | + 1.3 | 86 ^b | 29 | 25 ^b | 24 | 46 ^b | 3.11 | - 0.43 | 0.82 | 1.0 | 12 | 13 | 5 | 12 | sw. | E. W. Lester. |
| Urbana ^a . | Champaign. | 725 | 8 | 52.0 | ..... | 84 | 29 | 23 | 23 | 39 | 1.57 | ..... | 0.46 | 4.5 | 13 | 6 | 18 | sw. | Prof. J. G. Mosier. | |

^a, ^b, ^c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

* Precipitation included in that of the next measurement.

** Temperature extremes are from observed readings of the dry-bulb; means are computed from observed readings.

† Also on other dates.

‡ Separate dates of falls not recorded.

§ Data are from standard instruments not supplied by the U. S. Weather Bureau.

|| Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Estimate by observer.

¶ Precipitation for the 24 hours ending on the morning when it is measured.

T Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for April, 1910. District No. 3, Ohio Valley.*

TABLE 2.—*Daily precipitation for April, 1910. District No. 3—Continued.*

TABLE 2.—*Daily precipitation for April, 1910. District No. 3—Continued.*

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|---------------|---------------|-----|-----|-----|-----|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|------|------|--------|------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Total. | | |
| Tennessee—Cont'd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Birds Bridge\|\|\| | Tennessee. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.96 |
| Bluff City\|\|\| | do. | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.82 | |
| Byrdstown\|\|\| | Cumberland | .80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5.70 | |
| Carthage\|\|\| | do. | .01 | .37 | .04 | .21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.89 | | |
| Cedar Hill\|\|\| | do. | T. | .02 | .70 | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7.02 | | |
| Celina\|\|\| | Cumberland | .43 | | .08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5.05 | | |
| Center Point\|\|\| | Tennessee. | T. | | .12 | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5.92 | | |
| Charleston\|\|\| | do. | | .02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.35 | | |
| Chattanooga\|\|\| | do. | T. | | .02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.30 | | |
| Clarksville\|\|\| | Cumberland | T. | .35 | .04 | .15 | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.82 | | | |
| Clinton\|\|\| | Tennessee. | .05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.88 | | |
| Dandridge\|\|\| | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.74 | | |
| Decatur\|\|\| | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.80 | | |
| Dickson\|\|\| | Cumberland | .64 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5.63 | | |
| Dover\|\|\| | do. | T. | .25 | T. | .25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5.22 | | |
| Dunlap\|\|\| | Tennessee. | .01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.95 | | |
| Elizabethhton\|\|\| | do. | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.98 | | |
| Erasmus\|\|\| | Cumberland | .18 | | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5.25 | | |
| Florence\|\|\| | do. | T. | .43 | | .13 | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.10 | | | |
| Franklin\|\|\| | do. | T. | T. | .59 | T. | .37 | | | | | | | | | | | | | | | | | | | | | | | | | | 6.05 | | | |
| Halls Hill\|\|\| | do. | T. | .12 | T. | .18 | .15 | | | | | | | | | | | | | | | | | | | | | | | | | | 5.67 | | | |
| Harriman\|\|\| | Tennessee. | .08 | | .05 | .58 | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.24 | | | |
| Hohenwald\|\|\| | do. | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7.29 | | | |
| Iron City\|\|\| | do. | T. | | .54 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.07 | | | |
| Jefferson City\|\|\| | do. | | | .43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.40 | | | |
| Johnsonville\|\|\| | do. | T. | .28 | | .14 | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.93 | | | |
| Jonesboro\|\|\| | do. | T. | .09 | | .11 | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.76 | | | |
| Kingston\|\|\| | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.85 | | | |
| Knoxville\|\|\| | do. | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.12 | | | |
| Lebanon\|\|\| | Cumberland | .61 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5.73 | | | |
| Lewisburg\|\|\| | Tennessee. | .31 | | .30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5.19 | | | |
| Loudon\|\|\| | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.00 | | | |
| Lynnville\|\|\| | do. | .39 | | .60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.13 | | | |
| McGhee\|\|\| | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5.53 | | | |
| McMinnville\|\|\| | Cumberland | .12 | | .07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.21 | | | |
| Maryville\|\|\| | Tennessee. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.69 | | | |
| Mountain City\|\|\| | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.99 | | | |
| Nashville\|\|\| | Cumberland | T. | .54 | T. | .18 | | | | | | | | | | | | | | | | | | | | | | | | | | 6.10 | | | | |
| Newport\|\|\| | Tennessee. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.70 | | | |
| New River\|\|\| | Cumberland | .37 | | .07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5.15 | | | |
| Palmetto\|\|\| | Tennessee. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.39 | | |
| Pinewood\|\|\| | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5.64 | | |
| Pope\|\|\| | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5.25 | | |
| Rogersville\|\|\| | T. | .16 | T. | .08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.96 | | | |
| Rugby\|\|\| | Cumberland | .10 | T. | .63 | T. | .43 | | | | | | | | | | | | | | | | | | | | | | | | | | 6.99 | | | |
| Savannah\|\|\| | Tennessee. | T. | T. | .05 | T. | .46 | | | | | | | | | | | | | | | | | | | | | | | | | | 7.27 | | | |
| Sevierville\|\|\| | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.93 | | | |
| Sewanee\|\|\| | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.23 | | | |
| Sparta\|\|\| | Cumberland | .25 | T. | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.10 | | | |
| Springdale\|\|\| | Tennessee. | .05 | | .06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.65 | | | |
| Springville\|\|\| | do. | T. | .35 | .01 | .35 | | | | | | | | | | | | | | | | | | | | | | | | | | 5.54 | | | | |
| Tazewell\|\|\| | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5.33 | | | |
| Tullahoma\|\|\| | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.28 | | | |
| Walling\|\|\| | Cumberland | .13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5.14 | | | |
| Waynesboro\|\|\| | Tennessee. | T. | T. | .05 | .56 | | | | | | | | | | | | | | | | | | | | | | | | | | 9.00 | | | | |
| Wildersville\|\|\| | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.39 | | | | |
| Worsham\|\|\| | Cumberland | .25 | | .25 | | | | | | | | | | | | | | | | | | | | | | | | | | | 6.23 | | | | |
| Yukon\|\|\| | Tennessee. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.61 | | | | |
| Kentucky. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alpha\|\|\| | Cumberland | .28 | | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6.23 | | | |
| Anchorage\|\|\| | Ohio. | .35 | | .35 | T. | | | | | | | | | | | | | | | | | | | | | | | | | | 5.56 | | | | |
| Bardstown\|\|\| | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5.08 | | | | |
| Beattyville\|\|\| | Kentucky. | .12 | .23 | .03 | .10 | | | | | | | | | | | | | | | | | | | | | | | | | 4.50 | | | | | |
| Beaverdam\|\|\| | Green. | T. | | .40 | T. | .10 | | | | | | | | | | | | | | | | | | | | | | | | 6.50 | | | | | |
| Berea\|\|\| | Kentucky. | .50 | | | .45 | | | | | | | | | | | | | | | | | | | | | | | | | 3.40 | | | | | |
| Bowling Green\|\|\| | Green. | .04 | .40 | | .76 | | | | | | | | | | | | | | | | | | | | | | | | | 5.73 | | | | | |
| Burnside\|\|\| | Cumberland | T. | .42 | | .10 | | | | | | | | | | | | | | | | | | | | | | | | | 4.74 | | | | | |
| Cadiz\|\|\| | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.72 | | | | |
| Calhoun\|\|\| | Green. | T. | .31 | .02 | .42 | .04 | | | | | | | | | | | | | | | | | | | | | | | | 7.01 | | | | | |
| Big Sandy\|\|\| | do. | T. | .24 | .10 | .18 | T. | | | | | | | | | | | | | | | | | | | | | | | | 4.28 | | | | | |
| Earlington\|\|\| | Green. | T. | | .47 | T. | .27 | | | | | | | | | | | | | | | | | | | | | | | | 7.02 | | | | | |
| Edmonton\|\|\| | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6.30 | | | | |
| Eubank\|\|\| | Cumberland | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.78 | | | | |
| Falmouth\|\|\| | Licking. | T. | . | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 2.—*Daily precipitation for April, 1910. District No. 3—Continued.*

TABLE 3.—*Maximum and minimum temperatures at selected stations, April, 1910. District No. 3, Ohio Valley.*

| Date. | Pennsylvania. | | | | West Virginia. | | | | | | | | | | | | Ohio. | | | | | | | | | | | |
|-------|---------------|------|------------|------|----------------|------|----------|------|---------|------|------------|------|-------------|------|-------------------|-------------------|--------------|------|-----------|------|---------|------|-------------|------|-----------|------|---------|------|
| | Greenville | | Pittsburg. | | Charleston. | | Elkhorn. | | Elkins. | | Glenville. | | Huntington. | | Morgantown. | | Parkersburg. | | Wheeling. | | Canton. | | Cincinnati. | | Columbus. | | Dayton. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1... | 68 | 27 | 63 | 43 | 72 | 50 | 74 | 42 | 67 | 42 | 74 | 46 | 73 | 48 | 62 | 38 | 65 | 43 | 70 | 35 | 66 | 32 | 70 | 50 | 68 | 42 | 70 | 38 |
| 2... | 70 | 29 | 69 | 41 | 75 | 47 | 73 | 39 | 70 | 32 | 77 | 38 | 77 | 43 | 71 | 40 | 72 | 39 | 81 | 34 | 68 | 39 | 74 | 47 | 70 | 44 | 76 | 36 |
| 3... | 68 | 39 | 65 | 52 | 75 | 54 | 70 | 51 | 64 | 48 | 69 | 50 | 72 | 47 | 62 | 53 | 63 | 55 | 67 | 38 | 68 | 43 | 73 | 54 | 71 | 53 | 74 | 41 |
| 4... | 72 | 53 | 74 | 56 | 78 | 58 | 80 | 47 | 72 | 51 | 76 | 54 | 80 | 57 | 75 | 56 | 75 | 58 | 78 | 53 | 76 | 54 | 79 | 58 | 75 | 56 | 74 | 54 |
| 5... | 82 | 46 | 83 | 60 | 83 | 53 | 79 | 50 | 84 | 43 | 88 | 46 | 83 | 50 | 80 | 56 | 84 | 54 | 86 | 51 | 79 | 53 | 76 | 53 | 79 | 54 | 77 | 59 |
| 6... | 67 | 44 | 72 | 40 | 80 | 50 | 75 | 50 | 65 | 41 | 82 | 47 | 57 | 50 | 80 | 51 | 71 | 42 | 57 | 54 | 52 | 50 | 53 | 38 | 54 | 37 | 49 | 42 |
| 7... | 45 | 31 | 40 | 34 | 54 | 38 | 56 | 35 | 41 | 32 | 50 | 27 | 60 | 35 | 51 | 33 | 50 | 36 | 50 | 37 | 38 | 32 | 60 | 38 | 52 | 32 | 57 | 33 |
| 8... | 56 | 25 | 57 | 29 | 63 | 33 | 64 | 32 | 58 | 32 | 65 | 35 | 69 | 30 | 58 | 30 | 64 | 30 | 60 | 27 | 59 | 28 | 69 | 39 | 65 | 34 | 68 | 28 |
| 9... | 60 | 36 | 65 | 47 | 76 | 40 | 73 | 35 | 69 | 32 | 78 | 31 | 79 | 32 | 69 | 45 | 73 | 40 | 74 | 29 | 60 | 39 | 76 | 50 | 68 | 49 | 74 | 36 |
| 10... | 59 | 26 | 63 | 38 | 78 | 43 | 77 | 39 | 67 | 29 | 75 | 30 | 76 | 33 | 71 | 39 | 75 | 29 | 62 | 35 | 75 | 47 | 70 | 45 | 76 | 38 | 76 | 38 |
| 11... | 76 | 44 | 77 | 45 | 81 | 42 | 74 | 39 | 78 | 33 | 85 | 35 | 83 | 41 | 79 | 34 | 80 | 43 | 84 | 34 | 76 | 37 | 78 | 50 | 80 | 51 | 81 | 42 |
| 12... | 58 | 33 | 61 | 43 | 78 | 55 | 71 | 38 | 63 | 45 | 76 | 53 | 58 | 50 | 75 | 47 | 68 | 46 | 69 | 39 | 54 | 37 | 61 | 44 | 60 | 37 | 63 | 43 |
| 13... | 62 | 23 | 65 | 37 | 72 | 45 | 67 | 49 | 70 | 34 | 75 | 35 | 72 | 40 | 69 | 31 | 70 | 37 | 78 | 31 | 64 | 28 | 70 | 38 | 68 | 31 | 71 | 30 |
| 14... | 75 | 26 | 75 | 38 | 80 | 44 | 78 | 46 | 78 | 30 | 83 | 30 | 81 | 40 | 75 | 35 | 80 | 35 | 84 | 31 | 76 | 32 | 79 | 47 | 78 | 43 | 81 | 35 |
| 15... | 76 | 35 | 75 | 50 | 80 | 52 | 71 | 42 | 74 | 39 | 78 | 41 | 76 | 42 | 76 | 54 | 75 | 51 | 78 | 32 | 70 | 47 | 76 | 62 | 73 | 60 | 76 | 48 |
| 16... | 75 | 47 | 74 | 55 | 80 | 54 | 80 | 50 | 77 | 44 | 81 | 46 | 77 | 52 | 77 | 55 | 75 | 51 | 60 | 45 | 70 | 48 | 74 | 44 | 70 | 54 | 70 | 56 |
| 17... | 70 | 46 | 58 | 46 | 80 | 45 | 77 | 43 | 59 | 45 | 75 | 41 | 80 | 46 | 65 | 45 | 71 | 42 | 56 | 40 | 51 | 42 | 60 | 42 | 55 | 37 | 58 | 40 |
| 18... | 64 | 32 | 63 | 44 | 66 | 44 | 77 | 39 | 65 | 37 | 55 | 32 | 60 | 41 | 64 | 53 | 59 | 34 | 65 | 38 | 54 | 32 | 52 | 35 | 57 | 33 | 51 | 41 |
| 19... | 48 | 32 | 51 | 33 | 58 | 33 | 73 | 30 | 41 | 32 | 42 | 36 | 46 | 34 | 59 | 32 | 45 | 33 | 48 | 33 | 43 | 31 | 44 | 34 | 46 | 34 | 42 | 33 |
| 20... | 41 | 33 | 40 | 47 | 42 | 50 | 52 | 32 | 39 | 34 | 44 | 39 | 45 | 37 | 44 | 38 | 43 | 37 | 41 | 34 | 43 | 33 | 56 | 38 | 43 | 33 | 49 | 34 |
| 21... | 46 | 37 | 47 | 35 | 50 | 41 | 48 | 36 | 39 | 34 | 69 | 35 | 58 | 39 | 42 | 35 | 47 | 40 | 52 | 37 | 49 | 35 | 59 | 41 | 56 | 37 | 60 | 37 |
| 22... | 64 | 32 | 62 | 34 | 73 | 40 | 69 | 33 | 67 | 36 | 67 | 47 | 72 | 37 | 65 | 33 | 65 | 34 | 61 | 32 | 72 | 42 | 64 | 39 | 67 | 37 | 61 | 37 |
| 23... | 56 | 45 | 58 | 45 | 71 | 48 | 68 | 43 | 57 | 40 | 56 | 35 | 60 | 40 | 62 | 45 | 64 | 40 | 61 | 37 | 54 | 42 | 45 | 31 | 58 | 33 | 47 | 41 |
| 24... | 50 | 38 | 46 | 37 | 62 | 40 | 57 | 32 | 43 | 35 | 63 | 38 | 51 | 33 | 45 | 35 | 46 | 38 | 47 | 36 | 43 | 32 | 49 | 31 | 49 | 29 | 51 | 25 |
| 25... | 54 | 39 | 59 | 38 | 59 | 41 | 57 | 36 | 58 | 37 | 56 | 37 | 55 | 33 | 59 | 38 | 53 | 40 | 65 | 36 | 54 | 33 | 56 | 36 | 52 | 35 | 57 | 30 |
| 26... | 54 | 39 | 50 | 40 | 60 | 38 | 49 | 32 | 54 | 37 | 57 | 45 | 53 | 35 | 53 | 38 | 52 | 35 | 58 | 38 | 44 | 37 | 45 | 41 | 43 | 38 | 44 | 38 |
| 27... | 61 | 36 | 60 | 44 | 60 | 44 | 52 | 38 | 52 | 39 | 59 | 41 | 57 | 42 | 60 | 41 | 59 | 44 | 68 | 36 | 57 | 35 | 55 | 41 | 56 | 40 | 57 | 39 |
| 28... | 59 | 34 | 59 | 40 | 62 | 39 | 60 | 39 | 52 | 37 | 50 | 35 | 65 | 37 | 58 | 38 | 57 | 42 | 59 | 37 | 53 | 39 | 69 | 40 | 60 | 44 | 68 | 36 |
| 29... | 67 | 44 | 73 | 50 | 82 | 43 | 79 | 40 | 74 | 37 | 81 | 33 | 84 | 41 | 74 | 47 | 83 | 48 | 77 | 41 | 75 | 43 | 82 | 54 | 80 | 48 | 85 | 46 |
| 30... | 75 | 51 | 80 | 59 | 87 | 66 | 83 | 52 | 84 | 63 | 89 | 62 | 88 | 55 | 74 | 66 | 85 | 67 | 86 | 52 | 73 | 53 | 84 | 67 | 81 | 56 | 84 | 60 |
| 31... | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mns | 62.6 | 36.7 | 62.8 | 42.8 | 70.7 | 45.4 | 68.7 | 40.3 | 62.7 | 38.3 | 60.2 | 40.2 | 67.6 | 41.3 | 65.0 ^a | 42.8 ^a | 65.6 | 42.4 | 66.5 | 37.6 | 59.7 | 38.4 | 65.7 | 44.3 | 63.4 | 41.9 | 65.4 | 39.9 |

| Date. | Ohio. | | | | Virginia. | | | | | | | | Tennessee. | | | | | | | | Beattyville, Ky. ¹¹ | | | | | | | | | | | |
|-------|---------|------|----------|------|----------------|------|------|------|-------------|------|------|------|------------------|------|-----------------------------|------|------|------|--------------|------|--------------------------------|------|-------------------|------|------------|------|-----------|------|---------|------|-------------|--|
| | Marion. | | Waverly. | | Big Stone Gap. | | | | Wytheville. | | | | Asheville, N. C. | | Decatur, Ala. ¹² | | | | Chattanooga. | | Jonesboro. | | Knoxville. | | Nashville. | | Palmetto. | | Sparta. | | Waynesboro. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | | | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | | |
| 1. | 71 | 36 | 75 | 41 | 74 | 49 | 73 | 46 | 78 | 51 | 82 | 53 | 79 | 59 | 79 | 45 | 75 | 56 | 71 | 52 | 76 | 50 | 81 | 48 | 78 | 52 | 77 | 41 | | | | |
| 2. | 77 | 35 | 78 | 39 | 76 | 51 | 72 | 49 | 76 | 50 | 86 | 53 | 79 | 60 | 80 | 51 | 79 | 58 | 80 | 56 | 82 | 49 | 82 | 48 | 80 | 52 | 81 | 42 | | | | |
| 3. | 74 | 47 | 75 | 34 | 74 | 54 | 67 | 53 | 76 | 48 | 82 | 53 | 82 | 61 | 80 | 54 | 80 | 59 | 73 | 58 | 61 | 78 | 59 | 78 | 57 | 77 | 50 | | | | | |
| 4. | 75 | 53 | 80 | 51 | 81 | 52 | 77 | 48 | 81 | 50 | 84 | 62 | 85 | 65 | 85 | 45 | 85 | 58 | 82 | 65 | 84 | 60 | 84 | 54 | 81 | 65 | 86 | 53 | | | | |
| 5. | 78 | 57 | 82 | 44 | 79 | 48 | 77 | 48 | 73 | 60 | 75 | 64 | 72 | 57 | 80 | 49 | 78 | 60 | 73 | 52 | 78 | 61 | 74 | 64 | 73 | 55 | 85 | 45 | | | | |
| 6. | 69 | 44 | 51 | 47 | 68 | 48 | 63 | 45 | 66 | 45 | 70 | 45 | 66 | 49 | 70 | 46 | 65 | 48 | 61 | 48 | 67 | 45 | 68 | 45 | 65 | 46 | 58 | 47 | | | | |
| 7. | 53 | 30 | 59 | 33 | 61 | 38 | 54 | 38 | 58 | 40 | 73 | 39 | 71 | 44 | 64 | 40 | 66 | 44 | 69 | 40 | 72 | 33 | 70 | 39 | 70 | 34 | 65 | 30 | | | | |
| 8. | 67 | 27 | 71 | 25 | 68 | 31 | 63 | 40 | 67 | 44 | 81 | 40 | 75 | 47 | 72 | 23 | 72 | 40 | 74 | 43 | 78 | 35 | 75 | 35 | 74 | 36 | 74 | 28 | | | | |
| 9. | 72 | 48 | 80 | 30 | 77 | 41 | 72 | 39 | 74 | 39 | 81 | 40 | 81 | 48 | 78 | 31 | 80 | 44 | 80 | 46 | 83 | 40 | 86 | 37 | 80 | 40 | 78 | 30 | | | | |
| 10. | 72 | 37 | 78 | 33 | 77 | 36 | 70 | 39 | 77 | 51 | 84 | 44 | 79 | 56 | 77 | 41 | 78 | 53 | 80 | 57 | 82 | 48 | 82 | 43 | 80 | 47 | 83 | 36 | | | | |
| 11. | 81 | 46 | 84 | 37 | 76 | 42 | 74 | 38 | 74 | 45 | 82 | 59 | 79 | 57 | 80 | 42 | 75 | 51 | 77 | 59 | 80 | 57 | 80 | 49 | 75 | 57 | 77 | 36 | | | | |
| 12. | 79 | 43 | 80 | 43 | 75 | 50 | 68 | 49 | 76 | 54 | 78 | 59 | 73 | 61 | 73 | 52 | 68 | 57 | 67 | 59 | 74 | 54 | 67 | 54 | 71 | 57 | 61 | 42 | | | | |
| 13. | 71 | 26 | 75 | 32 | 71 | 54 | 65 | 44 | 60 | 40 | 73 | 54 | 74 | 59 | 68 | 52 | 70 | 58 | 73 | 56 | 77 | 50 | 72 | 50 | 71 | 55 | 75 | 42 | | | | |
| 14. | 81 | 31 | 84 | 31 | 78 | 43 | 76 | 39 | 73 | 38 | 84 | 57 | 78 | 55 | 78 | 42 | 79 | 52 | 81 | 57 | 83 | 55 | 82 | 52 | 79 | 50 | 83 | 40 | | | | |
| 15. | 78 | 55 | 75 | 38 | 77 | 44 | 70 | 43 | 74 | 55 | 77 | 57 | 70 | 58 | 80 | 43 | 65 | 56 | 74 | 58 | 60 | 73 | 58 | 77 | 58 | 74 | 50 | | | | | |
| 16. | 69 | 52 | 83 | 46 | 78 | 49 | 74 | 46 | 72 | 56 | 71 | 64 | 71 | 53 | 77 | 49 | 74 | 55 | 73 | 46 | 74 | 55 | 73 | 60 | 70 | 51 | 77 | 51 | | | | |
| 17. | 68 | 36 | 61 | 39 | 69 | 47 | 65 | 45 | 60 | 45 | 68 | 42 | 66 | 48 | 70 | 45 | 63 | 48 | 64 | 43 | 68 | 50 | 69 | 41 | 66 | 37 | 68 | 40 | | | | |
| 18. | 59 | 43 | 64 | 39 | 61 | 46 | 61 | 36 | 62 | 34 | 64 | 51 | 62 | 43 | 69 | 47 | 62 | 40 | 50 | 39 | 75 | 42 | 59 | 39 | 63 | 43 | 59 | 40 | | | | |
| 19. | 43 | 32 | 47 | 29 | 58 | 35 | 39 | 31 | 43 | 33 | 58 | 46 | 50 | 38 | 64 | 39 | 45 | 37 | 52 | 38 | 54 | 37 | 48 | 36 | 53 | 39 | 43 | 33 | | | | |
| 20. | 42 | 33 | 45 | 34 | 56 | 30 | 43 | 37 | 48 | 37 | 47 | 40 | 54 | 45 | 68 | 33 | 52 | 43 | 56 | 40 | 53 | 42 | 49 | 42 | 53 | 40 | 51 | 34 | | | | |
| 21. | 60 | 34 | 60 | 35 | 58 | 30 | 48 | 37 | 54 | 41 | 74 | 36 | 70 | 43 | 69 | 33 | 64 | 44 | 73 | 44 | 75 | 37 | 55 | 40 | 73 | 34 | 62 | 40 | | | | |
| 22. | 67 | 33 | 69 | 31 | 77 | 33 | 67 | 36 | 74 | 35 | 82 | 36 | 76 | 46 | 76 | 30 | 74 | 40 | 78 | 49 | 80 | 61 | 65 | 41 | 78 | 50 | 75 | 31 | | | | |
| 23. | 59 | 37 | 57 | 35 | 61 | 45 | 59 | 40 | 59 | 37 | 65 | 44 | 60 | 39 | 64 | 46 | 57 | 40 | 49 | 37 | 72 | 43 | 72 | 41 | 60 | 41 | 55 | 40 | | | | |
| 24. | 53 | 26 | 52 | 25 | 56 | 33 | 56 | 36 | 55 | 32 | 54 | 34 | 54 | 34 | 56 | 34 | 56 | 34 | 48 | 34 | 51 | 31 | 55 | 30 | 44 | 34 | 60 | 26 | | | | |
| 25. | 57 | 37 | 60 | 28 | 52 | 36 | 47 | 31 | 42 | 32 | 48 | 32 | 39 | 32 | 52 | 33 | 45 | 33 | 49 | 32 | 39 | 32 | 43 | 30 | 50 | 30 | 51 | 31 | | | | |
| 26. | 49 | 33 | 45 | 35 | 50 | 33 | 49 | 32 | 54 | 31 | 60 | 32 | 54 | 39 | 53 | 32 | 51 | 35 | 47 | 38 | 51 | 36 | 49 | 33 | 51 | 32 | 48 | 37 | | | | |
| 27. | 60 | 38 | 59 | 39 | 50 | 39 | 49 | 38 | 50 | 40 | 66 | 34 | 53 | 44 | 50 | 40 | 50 | 43 | 48 | 43 | 60 | 40 | 51 | 41 | 64 | 43 | 53 | 38 | | | | |
| 28. | 65 | 40 | 67 | 35 | 66 | 40 | 59 | 42 | 65 | 41 | 75 | 38 | 69 | 42 | 64 | 38 | 65 | 39 | 73 | 39 | 74 | 34 | 69 | 33 | 76 | 35 | 72 | 34 | | | | |
| 29. | 83 | 46 | 83 | 39 | 78 | 40 | 72 | 37 | 80 | 42 | 87 | 47 | 83 | 47 | 69 | 38 | 81 | 45 | 85 | 52 | 84 | 48 | 72 | 40 | 84 | 42 | 83 | 38 | | | | |
| 30. | 77 | 64 | 88 | 47 | 81 | 44 | 78 | 57 | 82 | 49 | 87 | 48 | 85 | 62 | 81 | 38 | 82 | 62 | 83 | 64 | 83 | 60 | 82 | 42 | 82 | 61 | 86 | 49 | | | | |
| 31. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mns | 67.0 | 39.9 | 68.2 | 36.5 | 68.8 | 42.0 | 63.5 | 41.3 | 66.1 | 43.5 | 73.4 | 40.6 | 69.6 | 49.7 | 70.7 | 41.3 | 67.9 | 47.7 | 68.4 | 48.1 | 72.2 | 46.9 | 68.4 ^a | 44.2 | 69.6 | 45.8 | 69.2 | 39.1 | | | | |

TABLE 3.—*Maximum and minimum temperature at selected stations, April, 1910. District No. 3—Continued.*

| Date. | Kentucky. | | | | | | | | | | | | Indiana. | | | | | | | | | | | | Philo, Ill. | | | |
|-------|-----------------------|------|-------------------|------|--------------------|------|------------|------|-------------|------|-------------------|------|----------------------|------|--------------|------|-------------|------|---------------|------|---------|------|------------|------|--------------|------|------|------|
| | Bowling Green. \$S | | Erlington. \$S | | Greensburg. \$S | | Lexington. | | Louisville. | | Maysville. \$S | | Williamsburg. \$S | | Butterville. | | Evansville. | | Indianapolis. | | Kokomo. | | Rockville. | | Worthington. | | | |
| Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | |
| 1. | 80 | 46 | 74 | 49 | 76 | 43 | 69 | 51 | 72 | 52 | 72 | 43 | 62 | 46 | 73 | 42 | 71 | 53 | 68 | 44 | 69 | 32 | 68 | 39 | 72 | 40 | 70 | 33 |
| 2. | 87 | 48 | 82 | 41 | 76 | 43 | 75 | 51 | 75 | 49 | 79 | 37 | 53 | 48 | 75 | 49 | 74 | 51 | 70 | 48 | 74 | 32 | 64 | 42 | 74 | 40 | 73 | 33 |
| 3. | 73 | 58 | 73 | 42 | 70 | 45 | 70 | 53 | 73 | 58 | 75 | 37 | 51 | 53 | 73 | 53 | 71 | 54 | 72 | 46 | 72 | 32 | 64 | 53 | 74 | 56 | 70 | 53 |
| 4. | 85 | 58 | 80 | 60 | 82 | 54 | 79 | 59 | 80 | 62 | 82 | 51 | 51 | 51 | 80 | 49 | 76 | 64 | 75 | 46 | 75 | 37 | 64 | 59 | 74 | 56 | 70 | 57 |
| 5. | 75 | 60 | 70 | 60 | 76 | 56 | 75 | 50 | 75 | 48 | 81 | 49 | 78 | 55 | 75 | 71 | 47 | 72 | 53 | 63 | 54 | 72 | 60 | 68 | 54 | 72 | 44 | |
| 6. | 55 | 44 | 50 | 45 | 54 | 44 | 50 | 38 | 50 | 43 | 52 | 47 | 63 | 47 | 55 | 39 | 49 | 44 | 47 | 36 | 54 | 37 | 55 | 38 | 60 | 42 | 45 | 35 |
| 7. | 73 | 34 | 71 | 31 | 76 | 30 | 59 | 36 | 65 | 40 | 62 | 39 | 66 | 33 | 62 | 31 | 67 | 40 | 59 | 35 | 58 | 30 | 55 | 33 | 66 | 32 | 67 | 28 |
| 8. | 80 | 48 | 79 | 35 | 75 | 32 | 67 | 41 | 73 | 43 | 72 | 29 | 31 | 73 | 34 | 75 | 46 | 70 | 41 | 71 | 30 | 64 | 41 | 76 | 36 | 78 | 39 | |
| 9. | 85 | 43 | 84 | 37 | 82 | 34 | 75 | 51 | 80 | 52 | 79 | 31 | 80 | 35 | 77 | 51 | 72 | 53 | 71 | 48 | 73 | 49 | 78 | 46 | 76 | 42 | | |
| 10. | 85 | 47 | 84 | 43 | 80 | 38 | 74 | 51 | 80 | 52 | 80 | 33 | 80 | 39 | 80 | 42 | 80 | 54 | 77 | 48 | 78 | 38 | 79 | 42 | 82 | 40 | 80 | 39 |
| 11. | 82 | 50 | 79 | 49 | 82 | 39 | 73 | 56 | 78 | 52 | 82 | 34 | 78 | 40 | 77 | 52 | 76 | 57 | 76 | 55 | 81 | 46 | 74 | 54 | 78 | 50 | 76 | 44 |
| 12. | 66 | 52 | 63 | 57 | 62 | 42 | 58 | 48 | 59 | 50 | 58 | 39 | 65 | 38 | 63 | 45 | 60 | 54 | 61 | 41 | 63 | 47 | 65 | 50 | 64 | 47 | | |
| 13. | 80 | 46 | 76 | 45 | 73 | 43 | 67 | 39 | 70 | 42 | 75 | 37 | 75 | 37 | 73 | 37 | 71 | 45 | 68 | 34 | 60 | 35 | 74 | 37 | 72 | 30 | | |
| 14. | 86 | 50 | 83 | 46 | 82 | 43 | 78 | 54 | 82 | 51 | 84 | 36 | 80 | 45 | 80 | 48 | 80 | 54 | 77 | 49 | 68 | 48 | 82 | 41 | 80 | 41 | | |
| 15. | 80 | 54 | 81 | 55 | 75 | 47 | 71 | 57 | 77 | 62 | 87 | 37 | 70 | 47 | 77 | 61 | 77 | 62 | 71 | 59 | 78 | 58 | 69 | 60 | 75 | 57 | | |
| 16. | 75 | 58 | 69 | 61 | 78 | 56 | 74 | 44 | 74 | 45 | 75 | 52 | 77 | 52 | 72 | 45 | 69 | 44 | 69 | 39 | 73 | 43 | 67 | 39 | 72 | 42 | 63 | 38 |
| 17. | 67 | 36 | 65 | 33 | 67 | 36 | 59 | 41 | 63 | 40 | 65 | 38 | 65 | 44 | 58 | 35 | 59 | 40 | 53 | 33 | 70 | 33 | 50 | 35 | 59 | 36 | 63 | 32 |
| 18. | 48 | 41 | 46 | 36 | 48 | 40 | 51 | 34 | 44 | 36 | 56 | 41 | 60 | 46 | 56 | 33 | 41 | 36 | 40 | 33 | 48 | 32 | 37 | 31 | 44 | 32 | 36 | 31 |
| 19. | 55 | 34 | 54 | 35 | 51 | 33 | 44 | 32 | 56 | 34 | 43 | 24 | 42 | 33 | 45 | 32 | 56 | 38 | 49 | 32 | 52 | 30 | 52 | 33 | 50 | 33 | 52 | 33 |
| 20. | 59 | 40 | 60 | 39 | 56 | 33 | 52 | 37 | 57 | 41 | 54 | 36 | 51 | 35 | 58 | 36 | 59 | 41 | 58 | 37 | 60 | 35 | 59 | 38 | 59 | 39 | 57 | 37 |
| 21. | 76 | 40 | 71 | 38 | 66 | 37 | 58 | 41 | 65 | 44 | 62 | 38 | 62 | 42 | 64 | 35 | 68 | 47 | 61 | 38 | 65 | 32 | 58 | 35 | 68 | 33 | 67 | 32 |
| 22. | 80 | 45 | 75 | 45 | 76 | 38 | 71 | 42 | 75 | 47 | 76 | 34 | 76 | 35 | 68 | 44 | 70 | 47 | 65 | 42 | 64 | 38 | 62 | 44 | 65 | 41 | | |
| 23. | 50 | 42 | 41 | 38 | 49 | 38 | 47 | 30 | 47 | 34 | 52 | 36 | 56 | 39 | 57 | 31 | 47 | 32 | 42 | 27 | 62 | 29 | 44 | 27 | 50 | 31 | 45 | 26 |
| 24. | 54 | 30 | 36 | 32 | 53 | 27 | 49 | 28 | 51 | 33 | 56 | 25 | 57 | 28 | 51 | 28 | 40 | 30 | 46 | 28 | 56 | 27 | 40 | 25 | 47 | 28 | 42 | 25 |
| 25. | 55 | 32 | 55 | 32 | 53 | 31 | 53 | 34 | 56 | 34 | 60 | 28 | 43 | 33 | 54 | 31 | 54 | 34 | 48 | 33 | 47 | 31 | 46 | 33 | 56 | 31 | 41 | 31 |
| 26. | 46 | 36 | 47 | 35 | 49 | 36 | 45 | 38 | 44 | 41 | 48 | 30 | 50 | 37 | 47 | 37 | 44 | 39 | 41 | 36 | 46 | 34 | 42 | 34 | 44 | 37 | 43 | 32 |
| 27. | 61 | 38 | 59 | 39 | 53 | 37 | 49 | 39 | 54 | 43 | 57 | 39 | 50 | 41 | 55 | 38 | 56 | 44 | 54 | 41 | 58 | 38 | 48 | 41 | 55 | 41 | 53 | 43 |
| 28. | 76 | 34 | 77 | 35 | 73 | 30 | 66 | 41 | 72 | 40 | 69 | 34 | 72 | 33 | 71 | 35 | 71 | 42 | 69 | 42 | 62 | 39 | 71 | 35 | 75 | 40 | | |
| 29. | 86 | 48 | 85 | 39 | 83 | 32 | 79 | 50 | 85 | 57 | 83 | 36 | 80 | 38 | 83 | 53 | 80 | 58 | 83 | 56 | 84 | 49 | 77 | 54 | 84 | 53 | 85 | 55 |
| 30. | 88 | 57 | 86 | 60 | 83 | 46 | 81 | 63 | 85 | 65 | 87 | 56 | 87 | 50 | 84 | 65 | 81 | 66 | 79 | 60 | 86 | 57 | 74 | 60 | 85 | 60 | 73 | 56 |
| 31. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mns. | 71.6 | 44.9 | 68.5 | 43.4 | 68.6 | 39.4 | 63.9 | 44.3 | 67.2 | 46.3 | 68.4 | 37.4 | 66.6 | 39.7 | 67.2 | 41.9 | 65.6 | 47.5 | 63.0 | 42.6 | 66.5 | 38.9 | 60.4 | 42.0 | 67.5 | 42.3 | 63.8 | 39.1 |